

AibGenesis™ Mouse Anti-NPR2 Antibody (CBMOAB-37568FYC)

Cat. No.: CBMOAB-37568FYC

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO37568FC
Specificity	This antibody binds to Arabidopsis NPR2.
Format	Liquid or Lyophilized
Storage	Store at 4°C: short-term (1-2weeks) Store at -20°C: long-term and future use
Purity	> 90% was determined by SDS-PAGE
Purification	Purified with Protein A or G affinity chromatography
Cellular Localization	Nucleus; Other locations

Application-Information

Application	WB, ELISA
Application Notes	ELISA: 1:1000-1:3000 Other applications are to be developed. The optimal dilution should be determined by the end user.

Target

Introduction	This gene encodes natriuretic peptide receptor B, one of two integral membrane receptors for natriuretic peptides. Both NPR1 and NPR2 contain five functional domains: an extracellular ligand-binding domain, a single membrane-spanning region, and intracellularly a protein kinase homology domain, a helical hinge region involved in oligomerization, and a carboxyl-terminal guanylyl cyclase catalytic domain. The protein is the primary receptor for C-type natriuretic peptide (CNP), which upon ligand binding exhibits greatly increased guanylyl cyclase activity. Mutations in this gene are the cause of acromesomelic dysplasia Maroteaux type. (From NCBI)
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Product Overview Mouse Anti-Arabidopsis NPR2 Antibody is a mouse antibody against NPR2. It can be used for NPR2 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq The length of the protein is 600 amino acids long. The sequence is show below: MATTTTTTTARFSDSYEF
SNTSGNSFFAAESSLDYPTEFLTPPEVSALKLLSNCLESVFD SPETFYSDAKLVLAGGREVSFHCILSARIP
VFKSALATVKEQKSSTTVKLQLKEIARDY EVGFDSVVAVLAYVYSGRVRSPPKGASACVDDDCCHVACRSK
VDFMVEVLYLSFVFQIQE LVTLYERQFLEIVDKVVEDILVIFKLDLTCGTTYKKLLDRCIEIIVKSDIELVSLEKS
L PQHIFKQIIDIREALCLEPPKLERHVKNYKALDSDDELVKMLLLEGHTNLDEAYALHF AIAHCAVKTAYDLL
ELELADVNLNRNPRGYTVLHVAAMRKEPKLIISLLMKGANILDTTLD GRTALVIVKRLTKADDYKTSTEDGTPSL
KGGLCIEVLEHEQKLEYLSPIEASLSLPVTPE ELRMRLLYENRVALARLLFPVETETVQGIKLEETCEFTAS
SLEPDHHIGEKRKTSLDLN MAPFQIHEKHLRRLALCKTVELGKRYFKRCSLDHFMDETDLNHLASVEEDTP
EKRLQKK QRYMELQETLMKTFSEDKEECGKSSTPKPTSAVRSNRKLSHRRLKVDKRDFLKRPYGNGD .

Sub Cat	Clonality	Species	Reactivity	Application	Clone	Conjugate	Size
CBMOAB-52915	Monoclonal	Rhesus (<i>Macaca mulatta</i>)		WB, ELISA	MO52915F	Unconjugated; also available for Biotin; HRP; FITC and 100 µg other labeled form.	100 µg

Protein Refseq: The length of the protein is 1023 amino acids long.

The sequence is show below: MALPSLLLLVAALAGGVRPPGARNLTAVLPEHNLSYAWAWPRVGPAVALAVEALGRALPVDLRFVSSELEGACS
EYLAPLSAVDLKLY HDPDLLLGP GCVYPAASVARFASHWRLPLLTAGAVASGFSKNDHYRTLVRTGPSAPKLGEFVTLHGHNWTARAALLYLD
ARTDDRPH YFTIEGIFEALQGSNLSVQHQQVYAREPGGPEQATHFIRANGRIVYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGESLRAGPTR
AT GRPWQDNRTREQAQALREAFQTVLVITYREPPNPEYQEFQNRLLIRAREDFGVELGPSLMNLIAGCFYDGILLYAEVLNETIQEGGTRED GLRI
VEKMQGRRYHGVTGLVMDKNNDRETDFVLWAMGDLDSGDFQPAAHYSGAEKQIWWTGRPIPWVKGAPPSDNPPCAFDLDDPSCDK TPLST
LAIVALGTGITFIMFGVSSFLIFRKLMEKELASMLWRIRWEELQFGNSERYHKGAGSRLTSLRGSSYGSMLTAHGKYQIFANT GHFKGNVVAIKH
VNKKRIELTRQVLFELKHMRDVQFNHLTRFAGACIDPPNICIVTEYCPRGSLQGMAFLHNSIISSHGSLKSSNCVDS RFVLKITDYGLASFRSTAEP
DDSHALYAKKLWTAPELLSGNPLPTTGQKADVYSFGIILQEIALRSGPFYLEGLDLSPEIVQKVRNGQ RPYFRPSIDRTQLNEELVLLMERCWA
QDPAERPDFGQIKGFIRRFNKEGGTSILDNLLLRMEQYANNLEKLVEERTQAYLEEKRKA EALL YQILPHSVAEQLKRGETVQAEAFDSVTIYFSDI
VGFTALSAESTPMQVVTLNDLYTCFDAIIDNFDVYKVETIGDAYMVVSGLPGRNGQ RHAP E IARMALALLDAVSSFRIRHRPHDQLRLRIGVHTG
PVCAGVVGLKMPRYCLFGDTVNTASRMESNGQALKIHVSSTTKDALDELGC FQLELRGDVEMKGKGKMRTYWLLGEQKGPPGLL.

CBMOAB-00050	Monoclonal	Yeast		WB, ELISA	MO00050C	Unconjugated; also available for Biotin; HRP; FITC and 100 µg other labeled form.	100 µg
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Protein Refseq: The length of the protein is 615 amino acids long. The sequence is show below: MLSYFQGFVPIHTIFYSVFHPTEGSKIKEYEP
PNNLKNHGINFNTFKNYIIPKILCHKLITFKYGTIRIVCYPVTINSPIYARNFFSFN FVFVFPYDCETSPYEPATRLGKMFVLEEQNQLLSKSERD
PVFFDLKVLNSTTTPSTAGPSSTPNPSSNTTPTHPTSEKDTKDMRSSR YSDLIKDLGLPQSAFSIQDLLMRIFQDLNNYSECLIPIDEGNAVDIKIF
PLLRPPTTCVSLEDVPLSSVNLKKIIDVNWDPTMMSIVPYI DGLNSIAKISKLSNSDPGLVIECIRHLIYKCVTLSDIFQFSNIYAPSSLIRNFLTDP LM

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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ASDCQSYVTFPEVSKISNLPNLSLGSQDQ DSPSFVRRKSKSSSIPSNPDSRTTSFSSTSRVSQNSSLNSSFSSSIYKDWRQSQTSCTSSSNIHVI
NNRNRLPTRSCLFDLYRSLSQGQT LKTWYESKYMILKENNIDIRRFITGLEKRIIYRCYSFPVMINAGSREPKEMTPIITKDLVNNDKLEKRNHN
HLLSATGSRNTAQSGNL KPERPSKVSFEMQVRVSSLATGKSTMPKLSDEEEGILEESIRNAETFDKICVLLSKPKLEVESYLNELGEFKVINS.

CBMOAB-07716	Monoclonal	C. elegans (<i>Caenorhabditis elegans</i>)	WB, ELISA	MO07716H	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 430 amino acids long. The sequence is show below: MSMVNTRVEAPDLLALKNMLRQSDGTRML
QEMRRKLIQLHSSQMINETEETCDRYIDKHPDMTNEPTVLVTFSLLYLHIFLLGILGNSAV LYLTMKHRQLQTVQNIFILNLCASNVLMLCLTSLPITFIT
NVYKQWFFSSPVCKLIPLVQGASIFVSTFSLSAIALDRYNLVVRPHKQKLS SRSAMMIALLIWVISVVCMPIYGYWYMDVEKLNGLCGEYCSEHWP
LAEVRKGYTFLVLITQFLFPFATMAFCYYNIFSRRLRQRVETKLKLS SERSQLLENSTTCGTTNHIVSINAEAVQNGLENKQRLAVLAQQRRTTILSC
MVLLFAFTWLPHNVVTLMIEYDGFFHSDETSATSTDH TYIVSMTAHLISMLTNVTNPFLYAWLNPMFKEMLIKTLRGGSKSPKPADIKQTSFIRMP
NSGAPSQSSYL.

MO-AB-07982W	Monoclonal	Cat (<i>Felis catus</i>)	WB, ELISA	MO07982W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 1047 amino acids long.
The sequence is show below: MALPSLLLLVAALAGGVRPPGARNLTLAVVLPEHNLSYAWAWPRVGPAVALAVEALGRALPVDLRFVSSELDGAC
SEYLAPLRAVDLKLY HDPDLLLPGPGCVPAASVARFASHWRLPLLTAGAVASGFAAKNEHYRTLVRTGPSAPKLGEFVVTLHGHFNWTARAALLYL
DARTDDRPY YFTIEGVFEALQGSNLSVQHQQVYAREPGGPEQATHFIRANGRIVYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGESLRAGP
TRST GRPWQDNRTREQAALREAFQTVLVITYREPPNPEYQEFQNRLLIRAREDFGVELAPSLMNLIAAGCFYDGILLYAEVLNETIQEGGTRED G
LRIVEKMQGRRYHGVTLGVMDKNNDRETDFVLWAMGDLDSGDFQPAAHYSGAEKQIWWTGRPIPVWKGAPPLDNPPCAFDLDDPSCDK TPL
STLAIVALGTGITFIMFGVSSFLIFRKLMLEKELASMLWRIRWEELQFGNSERYHKGAGSRLTSLRGSSYGSMLTAHGKYQIFANT GHFKGNVVAI
KHVNKKRIELTRQVLFELKHM RDVQFNHLTRFIGACIDPPNICIVTEYCPRGSLQDILENDSINLDWMFRYSLINDLVKG MAFLHNSIIASHGSLKSS
NCVVDSRFVLKITDYGLASFRSTAEPDDSHALYAKKLWTAPELLGGNPLPTTGMMQKADVYSFGILQEIALR SGPFYLEGLDLSPKEIVQKVRNGQ
RPYFRPSIDRTLNEELVLLMERCWAQEPAPERPDFGQIKGFIRRFNKEGGTSILDNLLLRMEQYAN NLEKLVEERTQAYLEEKRAEALLYQILPHS
VAEQLKRGETVQAEAFDSVTIYFSDIVGFTALSAESTPMQVVTLNDLYTCFDAIDNF DVYKVETIGDAYMVVSGLPGRNGQRHAPEIARMALALL
DAVSSFRIRHRPHDQLRLRIGVHTGPVCAGVVGLKMPRYCLFGDTVNTASRM ESNQGALKIHVSSTTKDALDELGCFQLELRGDVEMKKGKGM
RTYWLLGERKGPAGLL.

MO-AB-12652W	Monoclonal	Chimpanzee (<i>Pan troglodyte</i>)	WB, ELISA	MO12652W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 1047 amino acids long.
The sequence is show below: MALPSLLLLVAALAGGVRPPGGRNLTAVVLPEHNLSYAWAWPRVGPAVALAVEALGWALPVDLRFVSSELEGAC

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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SEYLAPLSAVDLKLY HDPDLLLPGPCVYPAASVARFASHWRLPLLTAGAVASGFSKNDHYRTLVRTGPSAPKLGEFVVTLHGHFNWNTARAALLYL
DARTDDRPY YFTIEGVFEALQGSNLSVQHQVYAREPGGPEQATHFIRANGRIVYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGESLRAGP
TRAT GRPWQDNRTREQAQALREAFQTVLVITYREPPNPEYQEFQNRLLIRAREDFGVELGPSLMNLIAGCFYDGILLYAEVLNETIQEGGTRED G
LRIVEKMQGRRYHGVGTGLVMDKNNDRETDFVLWAMGDLDSGDFQPAAHYSGAEKQIWWTGRPIPWVKGAPPSDNPPCAFDLDDPSCDK TPL
STLAIVALGTGITFIMFGVSSFLIFRKLMEKELASMLWRIRWEELQFGNSERYHKGAGSRLTSLRGSSYGSMLTAHGKYQIFANT GHFKGNVVAI
KHVNKKRIELTRQVLFELKHMRDVQFNHLTRFIGACIDPPNICIVTEYCPRGSLQDILENDSINLDWMFRYSLINDLVKG MAFLHNSIISSHGSLKSS
NCVVDSRFVLKITDYGLASFRSTAEPDDSHALYAKKLWTAPELLSGNPLPTTGMQKADVYSFGIILQEIALR SGPFYLEGLDLSPEIVQKVRNGQR
PHFRPSIDRTQLNEELVLLMERCWAQDPAERPDPFGQIKGFIRRFNKEGGTSILDNLLLRMEQYAN NLEKLVEERTQAYLEEKRAEALLYQILPHSV
AEQLKRGETVQAEAFDSVTIYFSDIVGFTALSAESTPMQVVTLLNDLYTCFDAIDNF DVYKVTIGDAYMVVSGLPGRNGQRHAPEIARMALALLD
AVSSFRIRHRPHDQLRLRIGVHTGPVCAGVVGLKMPRYCLFGDTVNTASRM ESNGQALKIHVSSTTKDALDELGCQLELRGDVEMKGKGMKMR
TYWLLGERKGPPGLL.

MO-AB-32224W	Monoclonal	Dog (<i>Canis lupus familiaris</i>)	WB, ELISA	MO32224W	Unconjugated; also available for Biotin; HRP; FITC and 100 µg other labeled form.	g
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Protein Refseq: The length of the protein is 967 amino acids long.

The sequence is show below: PSCAGDLKLYHDPFVLRPGCVYPAASVARFASHWRLPLLTAGALASGFAAKNEHYRTLVRTSTCAPKLGEFVGT
LHGHFNWTAPAALLH LDGRTGDQPHYFPIDGVLGVVQGGRHGGTDHGGARGQGGPDRAVLRGHGSIVYICGPLEMLHEILLQAQRENLTNG
DYVFFYLDVFGESLRAGPTRSTGRPWQDNRTREQAQALREAFQTVLVITYREPPNPEYQEFQNRLLIRAREDFGVELAPSLMNLIAGCFYDGILL
YAEVLNE TIQEGGTREDGLRIVEKMQGRRYHGVGTGLVMDKNNDRETDFVLWAMGDLDSGDFQPAAHYSGAEKQIWWTGRPIPWVKGTPLD
NPPCA FDLDDPSCDKTPLSTLAIVALGTGITFIMFGVSSFLIFRKLMEKELASMLWRIRWEELQFGNSERYHKGAGSRLTSLRGSSYGSMLTA H
GKYQIFANTGHFKGNVVAIKHVNKKRIELTRQVLFELKHMRDVQFNHLTRFIGACIDPPNICIVTEYCPRGSLQDILENDSINLDWMFR YSLINDLVK
GMAFLHNSIIASHGSLKSSNCVVDSRFVLKITDYGLASFRSTAEPDDSHALYAKKLWTAPELLSGNPLPTTGMQKADVYSF GIILQEIALRSGPFYL
EGLDLSPEIVQKVRNSQRPYFRPSIDRTQLNEELVLLMERCWAQEPERPDPFGQIKGFIRRFNKEGGTSILDN LLLRMEQYANNLEKLVEERTQA
YLEEKRAEALLYQILPHSVAEQLKRGETVQAEAFDSVTIYFSDIVGFTALSAESTPMQVVTLLNDLY TCFDAIDNFDVYKVTIGDAYMVVSGLP
RNGQRHAPEIARMALALLDAVSSFRIRHRPHDQLRLRIGVHTGPVCAGVVGLKMPRYCLF GDTVNTASRMESNGQALKIHVSSTTKDALDELGC
FQLELRGDVEMKGKGMRTYWLLGERKGPAAGLL.

MO-AB-35195W	Monoclonal	Ferret (<i>Mustela Putorius Fur</i>)	WB, ELISA	MO35195W	Unconjugated; also available for Biotin; HRP; FITC and 100 µg other labeled form.	g
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Protein Refseq: The length of the protein is 926 amino acids long.

The sequence is show below: MDSNYTLLQAKNEHYRTLVRTGPSAPKLGEFVVTLHGHFNWNTARAALLYLDARTDDRPYFTIEGVFEALQGSNL
SVQHQVYAREPGGPE QATHFIRANGRIVYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGESLRAGPTRSTGRPWQDNRTREQAQALREAF

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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QTVLVITYREP PNPEYQEFQNRLLIRAREDFGVELAPSLMNLIAAGCFYDGILLYAEVLNETIQEGGTREDGLRIVEKMQGRRYHGVTGLVMDKNN
DRETD FVLWAMGDLDSGDFQPAAHYSGAEKQIWWTGRPIPWVKGAPPLDNPPCAFDLDDPSCDKTPLSTLAIVALGTGITFIMFGVSSFLIFRKL
MLEKELASMLWRIRWEELQFGNSERYHKGAGSRLTSLRGSSYGSLMTAHGKYQIFANTGHFKGNVVAIKHVNNKRIELTRQVLFELKHM RDVQF
NHLTRFIGACIDPPNICIVTEYCPRGSLQDILEENDSINLDWMFRYSLINDLVKGMAFLHNSIIASHGSLKSSNCVDSRFVLKIT DYGLASFRSTAEPD
DSHALYAKKLWTAPELLGGNPLPTTGMMQKADVYSFGIILQEIALRSGPFYLEGLDLSPKEIVQKVRNGQRPYFRPS IDRTQLNEELVLLMERCWAQ
EPAERPDPFGQIKGFIRRFNKEGGTSILDNLLLRMEQYANNLEKLVEERTQAYLEEKRAEALLYQILPHS VAEQLKRGETVQAEAFDSVTIYFSDIV
GFTALSAESTPMQVVTLLNDLYTCFDAIIDNFVYKQVETIGDAYMVVSGLPGRNGQRHAPEIA RMALALLDAVSSFRIRHRPHDQLRLRIGVHTGP
VCAGVVGLKMPRYCLFGDTVNTASRMESNGQALKIHVSSTTKDALDELGCFQLELRG DVMKKGKGMRTYWLLGERKGPTGLL.

MO-AB-37881W	Monoclonal	Goat (<i>Capra hircus</i>)	WB, ELISA	MO37881W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 1047 amino acids long.

The sequence is show below: MALPSLLLVAALAGGVRRPPGARNLTAVVLPEHNLSYAWAWPRVGPVALAVEALGRALPVDLRFVSSELDGAC
SEYLAPLRAVDLKLY HDPDLLLPGPCVYPAASVARFASHWRLPLLTAGAVASGFSKSEHYRTLVRTGPSAPKLGEFVVTLHGHFNWTARAALLYL
DARTDDRPY YCTIEGVFEALQGINLSVQHQQVYAREPGGPEQATHFIRANGRIVYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGESLRAGPT
RSM GQPWQDNRTREQAALREAFQTVLVITYREPPNPEYQEFQNRLLIRAREDFGVELAPSLMNLIAAGCFYDGILLYAEVLNETIQEGGTRED GL
RIVEKMQGRRYRGVTGLVMDKNNNDRETD FVLWAMGDLISGDFQPAAHYSGAEKQIWWTGRPIPWVKGAPPLDNPPCAFDLDDPSCDK TPLST
LAIVALGTGITFIMFGVSSFLIFRKLMLEKELASMLWRIRWEELQFGNSERCHKGAGSRLTSLRGSSYGSLMTAHGKYQIFANT GHFKGNVVAIKH
VNKKRIELTRQVLFELKHMRDVQFNHLTRFIGACIDPPNICIVTEYCPRGSLQDILEENDSINLDWMFRYSLINDLVKG MAFLHNSIIASHGSLKSSNC
VDSRFVLKITDYGLASFRSTAEPDDSHALYAKKLWTAPELLSGNPLPTTGMMQKADVYSFGIILQEIALR SGPFYLEGLDLSPKIVQKVRNGQRPY
FRPSIDRTQLNEELVLLMERCWAQDPAERPDPFGQIKGFIRRFNKEGGTSILDNLLLRMEQYAN NLEKLVEERTQAYLEEKRAEALLYQILPHSVAE
QLKRGETVQAEAFDSVTIYFSDIVGFTALSAESTPSQWVTLLNDLYTCFDAIIDNF DVYKQVETIGDAYMVVSGLPGRNGQRHAPEIARMALALLDAV
SSFRIRHRPHDQLRLRIGVHTGPVCAGVVGLKMPRYCLFGDTVNTASRM ESNGQALKIHVSSTTKDALDELGCFQLELRGDVEMKKGKGMRTY
WLLGERKGPAGLL.

MO-AB-42162W	Monoclonal	Guinea pig (<i>Cavia porcellus</i>)	WB, ELISA	MO42162W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is1047 amino acids long.

The sequence is show below: MALPSLLLVAALAGGVHPPGAQNLTAVVLPEHNLSYAWAWPRVGPVALAVEALGRALPVDLRFVSSELDGAC
SEYLAPLRAVDLKLY HDPDLLLPGPCVYPAASVARFASHWRLPLLTAGAVASGFAAKNEHYRTLVRTGPSAPKLGEFVVTLHGHFNWTSRAALLYL
DARTDDRPY YFTIEGVFEALQGSNLSVQHQQVYAREPGGPEQATHFIRANGRIVYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGESLRAGP
TRST GRPWQDNRTQEQTQALRQAFQTVLVITYREPPNPEYQDFQNRLLIRAREDFGVELTPSLMNLIAAGCFYDGILLYAEVLNETIQEGGTRED G

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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LRIVEKMQGRRYHGVGTGLVMDKNNRETDFVLWAMGDLD SGDFQPAAHYSGAEKQIWWTGRPIPWVKGAPPLDNPPCAFDLDDPSCDK TPL
STLAIVALGTGITFIMFGVSSFLIFRKLMLEKELASMLWRIRWEELQFGNSERYHKGAGSRLTSLRGSSYGSLMTAHGKYQIFANT GHFKGNVVAI
KHVNKKRIELTRQVLFELKHMRDVQFNHLTRFIGACIDPPNICIVTEYCPRGSLQDILENDSINLDWMFRYSLINDLVKG MAFLHNSIISSHGSLKSS
NCVDSRFVLKITDYGLASFRSTAEPDDSHALYAKKLWTAPELLNGNSLPTTGMQKADVVSFGIILQEIALR SGPFYLEGLDLSPKEIVQKVRNGQR
PYFRPTIDRTQLNEELVLLMERCWAQDPAERPDFGQIKGFIRRFNKEGGTSILDNLLLRMEQYAN NLEKLVEERTQAYLEEKRAEALLYQILPHSV
AEQLKRGETVQAEAFDSVTIYFSDIVGFTALSAESTPMQVVTLLNDLYTCFDAIIDNF DVYK VETIGDAYMVVSGLPGRNGQRHAPEIARMALALLD
AVSSFRIRHRPHDQLRLRIGVHTGPVCAGVVGLKMPRYCLFGDTVNTASRM ESNGQALKIHVSSTTKDALDELGCFQLELRGDVEMKGKGKMR
TYWLLGERKGPSGLL.

MO-AB-45810W	Monoclonal	Horse (<i>Equus caballus</i>)	WB, ELISA	MO45810W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 271 amino acids long.

The sequence is show below: MALPSLLLLVAALAGGVRPPGARNLTAVVLPEHNLSYAWAWPRVGP AVALAVEALGRALPVDLRFVSSELDGAC
SEYLAPLRAVDLKLY HDPDLLLPGPGCVYPAASVARFASHWRLPLLTAGAVASGFAAKNEHYRTLVRTGPSAPKLGEFVVTLHGHNWTARAALLYL
DARTDDRPH YFTIEGVFEALQGSNLSVQHQQVYADAYMVVSGLPGRNGQRHAPEIARMALALLDAVSSFRIRHRPHDQLRLRIGVHTGGKMRTY
WLLGER K.

MO-AB-60272W	Monoclonal	Marmoset	WB, ELISA	MO60272W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 1047 amino acids long.

The sequence is show below: MALPSLLLLVAALAGGVRPPGARNLTAVVLPEHNLSYAWAWPRVGP AVALAVEALGRALPVDLRFVSSELEGACS
EYLAPLRAVDLKLY HDPDLLLPGPGCVYPAASVARFASHWRLPLLTAGAVASGFAAKNEHYRTLVRTGPSAPKLGEFVVTLHGHNWTARAALLYLD
ARTDDRPH YFTIEGVFEALQGSNLSVQHQQVYAREPGGPEQATHFIRANGRIVYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGESLRAGPT
RAT GQPWQDNRTQEQAALREAFQTVLVITYREPPNPEYQEFQNRLLIRAREDFGVELAPSLMNLIA GCFYDGILLYAEVLNETIQEGGTRED GL
RIVEKMQGRRYHGVGTGLVMDKNNRETDFVLWAMGDLD SGDFQPAAHYSGAEKQIWWTGRPIPWVKGAPPSDNPPCAFDLDDPSCDK TPLS
TLAIVALGTGITFIMFGVSSFLIFRKLMLEKELASMLWRIRWEELQFGNSERYHKGAGSRLTSLRGSSYGSLMTAHGKYQIFANT GHFKGNVVAIK
HVNKKRIELTRQVLFELKHMRDVQFNHLTRFIGACIDPPNICIVTEYCPRGSLQDILENDSINLDWMFRYSLINDLVKG MAFLHNSIISSHGSLKSSN
CVVDSRFVLKITDYGLASFRSTAEPDDSHALYAKKLWTAPELLNGNPLPTTGMQKADVVSFGIILQEIALR SGPFYLEGLDLGPKEIVQKVRNGQR
PYFRPSIDRTQLNEELVLLMERCWAQDPAERPDFGQIKGFIRRFNKEGGTSILDNLLLRMEQYAN NLEKLVEERTQAYLEEKRAEALLYQILPHSV
AEQLKRGETVQAEAFDSVTIYFSDIVGFTALSAESTPMQVVTLLNDLYTCFDAIIDNF DVYK VETIGDAYMVVSGLPGRNGQRHAPEIARMALALLD
AVSSFRIRHRPHDQLRLRIGVHTGPVCAGVVGLKMPRYCLFGDTVNTASRM ESNGQALKIHVSSTTKDALDELGCFQLELRGDVEMKGKGKMR
TYWLLGERKGPPGLL.

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
MO-AB-16889R	Monoclonal	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO16889R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 1047 amino acids long. The sequence is show below: MALPSLLLVAALAGGVRPPGARNLTLAVVLPEHNLSYAWAWPRVGPVALAMEALGRALPVDLRFVSSELDGAC SEYLAPLRAVDLKLY HDPDLLLPGPCVYPAASVARFASHWRLPLLTAGAVASGFSAKSEHYRTLVRTGPSAPKLGEFVVMLHGHFNWTARAALLY LDARTDDRPH YFTIEGVFEALQGSNLSVQHQQVYAREPGGPEQATHFIRANGRIVYICGPLEMLHEILLQAQRENLTNGDYVFFYL.						
MO-AB-01071R	Monoclonal	Medaka (<i>Oryzias latipes</i>)	WB, ELISA	MO01071R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 1055 amino acids long. The sequence is show below: MPLPGQRMGCRGALGCCLFVALCFCLLPGCRSNITAAVMPLPDNYHKYPWALPRVFPALLMAQEDLHTKHKLLLG HTITILNYSTENPAAP GSCAESRAQVVVDKLYSRPDVFFGPGCVYPLASVGRFVSHWKLPLITAGGPAYGFEKLDEYKTIVRIGPSTTKLGAFFVN VLHTQFNWT SRAVVIFYDLKQDDRPHYFLSEGIFMNLKDEMNMVTSARPYTNEQDYKELVSFIKENGRIIYICGPLETFLSIMKLFQSEIQDPESYAI F YLDVFAESLTHRKPWQNAKFDWTNPIQVFKSVFVITYHPPDNPEYKDFQRKLHARAQRDFGVNLEPSLMDYIAGSFYDGFVLYAMALDET LAE GGAQNGINITRRTQNRSFVGVTGLVSIDKRNARNIDVDLWAMTNQETGEYGVVSYNGSTKEIVWSQTEKIHWPSCGPPLDNPPCV FSTDDP SCNDGLPVLGIVAVGSLGALIIFGISSFLIYRKLKLEKELAGMLWRVQWEDLQFESPNKYHKRAGSRLTSLQRGSSYGSLITAQ GKYQLFAKTGYFK GNLVAIKHVNKKRIELTRQVLMELKHMRDVQFNHLTRFIGACIDPPNICIVTEYCPRGSLQDILENESINLDWMFRIY SLINDIVKGMNLFHNSYFGCH GNLKSSNCVVDSRFVLKITDYGLASFRSSCENDDSHALYAKKLWTAPELLIYDHPPQGTQKGDVYSFG IILQEIALRNGPFYVESMDLSPKEIVQK VRNGQRPYFRPTTDSRFHSEELTILMEGCWAEDPAERPDFGHIKIYMAKLNKEGSTSILNNL LSRMEQYANNLENLVEERTQAYLEEKRAENLLY QILPHSVAEQLKRGETVQAEAFDSVTIYFSDIVGFTSMSAESTPLQVVTLLNDLYT CFDAIDNFDVYKVETIGDAYMVVSGLPVRNGKLHAREIAS MSLALLEQVKTFKIRHRPNDQLRLRIGIHTGPVCAGVVGLKMPRYCLFG DTVNTASRMESNGEALKIHVSSATKEVLDEFYCNLELRGDVEMKG KGKMRTYWLLGEKTDVYVI.						
MO-AB-27815R	Monoclonal	Pig (<i>Sus scrofa</i>)	WB, ELISA	MO27815R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 1047 amino acids long. The sequence is show below: MALPSLLLVAALAGGVRPPGPRNLTAVVLPEHNLSYAWAWPRVGPVALAVEALGRALPVDLRFVSSELDGAC SEYLAPLRAVDLKLY HDPDLLLPGPCVYPAASVARFASHWRLPLLTAGAVASGFSAKNEHYRTLVRTGPSAPKLGEFVVMLHGHFNWTARAALLY LDARTDDRPH YFTIEGVFEALQGSNLSVQHQQVYAREPGGPEQATHFIRANGRIVYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGESLRAGP TRST GRPWQDNHTREQAALREAFQTVLVITYREPPNPEYQEFQNRLLIRAREDFGVELAPSLMNLIAAGCFYDGILLYAEVLNETIQEGGTRED G LRIVEKMQGRRYHGVTGLVMDKNNDRDTEFLWAMGDLDSGDFQPAAHYSGAEKQIWWTGRPIPVWKGAPPLDNPPCAFDLDDPSCDK TPL STLAIVALGTGITFIMFGVSSFLIFRKLMLEKELASMLWRIRWEELQFGNSERYHKGAGSRLTSLRGSSYGSLMTAHGKYQIFANT GHFKGNVVAI						

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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KHVNKKRIELTRQVLFELKHMRDVQFNHLTRFIGACIDPPNICIVTEYCPRGSLQDILENDSINLDWMFRYSLINDLVKG MAFLHNSIIASHGSLKSS
NCVVDSRFVLKITDYGLASFRSTAEPDDSHALYAKKLWTAPELLSGNPLPTTGMQKADVVSFGIILQEIGLR SGPFYLEGLDLSPEIVQKVRNGQ
RPYFRPSIDRTQLNEELVMLMERCWAQDPAERPDPFGQIKGFIRRFNKEGGTSILDNLLLRMEQYAN NLEKLVEERTQAYLEEKRAEALLYQILPH
SVAEQLKRGETVQAEAFDSVTIYFSDIVGFTALSAESTPMQVVTLNDLYTCFDAIIDNF DVYKVETIGDAYMVVSGLPGRNGQRHAPEIARMALAL
LDAVSSFRIRHRPHDQLRLRIGVHTGPVCAGVVGLKMPRYCLFGDTVNTASRM ESNGQALKIHVSSTTKDALDELGCFQLELRGDVEMKGKGGK
MRTYWLLGERKGPAGLL.

MO-AB-05734H	Monoclonal	Frog (<i>Xenopus laevis</i>)	WB, ELISA	MO05734C	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 1082 amino acids long.

The sequence is show below: MDVKSQYQSCSGSLPSFNRMSEYWCPSLAQKPVHAFCLLLFLRCPSRSHQNVTSNHTLTAVLPESNIRYAW
SWPRVAPALRMAVDRA QELQLLSGYQVQWVFLTSELNGACSEYVAPLNAVDLKLHNPDLVFGPGCVPSASVARFATHWRLPLITAGALAFGFK
QDDDHYNNTTVR TGPTAIKLGEFVSHLHEHFNWSSRAALVYHDVKMDDRPYFIIEGVFLALDKEFNNTVSYQMYPENEDIGSVIQFIQNNGRVIYI
CGPL EMLHMIILQAHREKLTGDYVFFYVDVFGESLRPDGTREANKPWQGNHSQELKEAFKTVLVISYHQPENPEYFEFQKKLIQKSKEEFGVE L
NYSLMNFIAGCFHDGVLLYAQALNETLREGGSQKDGLSIVKKIQDRQMEGITGTVSMCKNNDRNTDFDLWAMTDHEEGNFEVVGHYNGI TKQIN
WTGKPIWLKGSPPSDSPPCVFNADDPSCCLKTTVSTLAIVALGAGLTLLIFGMSSFLILRKLMLLEKELASMLWRIRWEELQFGNS ERYHKTAGSRLT
LSLRGSSYGSMLTAHGKYQIFANTGHFKGNVVAIKHVNKKRIELTRQVLFELKHMRDVQFNHLTRFLGACIDPPNICI VTEYCPRGSLQDILENESIN
LDWMFRNSLINDIVKGMCFLHRSIIGSHGNLSSNCVVDSRFVLKITDYGLGSFQSSCETDDGYALYAKK LWTAPELLRMTRPPAPGTQKGDVYS
FGIILQEIALRNGCFYILGMDLSPKEIVQKVRNGQRPYFRPTVDISCHSEELGILMERCWAEEL DRPDFNQIKAYICKFNKEGSTSILDNLLSRMEQ
YANNLEKLVEERTQAYLEEKRAEALLYQILPHSVAEQLKRGETVQAEAFDSVTIYF SDIVGFTSMAESTPMQVVTLNDLYTCFDAIIDNFVYKV
ETIGDAYMVVSGLPVRNGKLHTREIARMSLALLETVKTFKIRHRPNTQL RLRIGIHTGPVCAGVVGLKMPRYCLFGDTVNTASRMESNGEALRIHIS
SASKEVLDEFSCFQLELRGDIEMKGKGVRTYWLHGEHREDD VI.

MO-AB-03207Y	Monoclonal	Chicken (<i>Gallus gallus</i>)	WB, ELISA	MO03207Y	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 1062 amino acids long. The sequence is show below: MAPRLPLVLAALLAAGGGGGRRANPD
GAGANLTVAVVLPERNVSYAWAWPRVEPALSLALEALQRGEPELLPRPFSVRVEFMSELGG ACSEYVAPLKAVDLKLYHDPDLVFGPGCVYPAA
SVGRFASHWRLPLITAGAVAVGFSEKREHYRTTVRTGPSAPKLGAFVSHLHAHFNWS SRAALLYVDRKTDDRPYYFTIEGVFQELQDGSNLTVRH
HIYSPDEGGPDTHIFIKSSGRVVYLCGPPEMLRRIMQLAQRENLTNGDYVF FYVDVFGESLRGDSARDAFKPWQQGSGQDAGLREAFQTVLVI
TYYEPQNPEYQHFQTLILRAKQKFGVQLNYSMLNLVAGCFYDGVLLY AMVLNETLREGGSKKNATQLIEKMRDRKFQGVGTGLVSMDSNNDRDT
DFNLWAMGDPESGQYEVVGHYSGAEKQIRWLGRPIRWVKGAPPL DNPPCVFDVDDPSCDKTPLSTLAIVALGTGLTFVMFGISSFLIFRKLMLLEK
ELASMLWRIRWDELHFGSAERYHKGAGSRLTSLRGSSY GSMLTTHGKYQIFANTGHFKGNVVAIKHVNKKRIELTRQVLFELKHMRDIQFNHLT

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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RFIGACIDPPNICIVTEYCPRGSLQDILENESIN LDWMFRYSLINDIVKGM AFLHNSIIGHHGLSKSSNCVVD SRFVLKITDYGLASFRTPCDGEDTH
 ALYAKKLWTAPELLQKGHLPAQGMQK ADVYSFGIIVQEIALRNGPFYIEGMDLSPKEIVQKVRNSQKPFRRPSIDIGVHSEELAVLMERCWAQEP A
 ERPDFSQIKIFIRRFNKEGS TSILDNLLSRMEQYANNLEKLVEERTQAYLEEKRAENLLYQILPHSVAEQLKRGETVRAEAFDSVTIYFSDIVGFTAL
 SAESTPMQVVT LLNDLYTCFDAIDNFDVYKVETIGDAYMVVSGLPVRNGKLHAHEIVRMALALLEAVKTFKIRHRPNDQLRLRIGIHTGPVCAGVV
 GLKM PRYCLFGDTVNTASRMESNGQALKIHVSSTTKEVLDEFGCFELELRGDVEMKGKGKMRTYWLLGERKDPKAV.

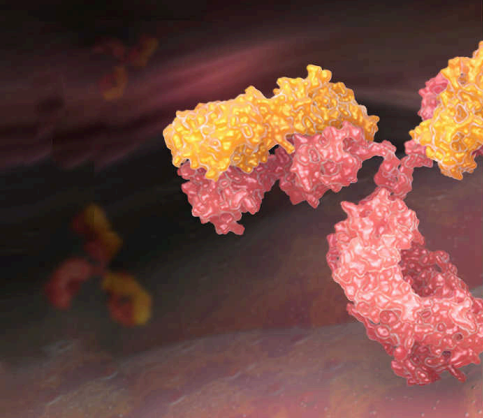
MO-AB-08982Y	Monoclonal	Rabbit (<i>Oryctolagus cuniculus</i>)	WB, ELISA	MO08982Y	Unconjugated; also available for Biotin; HRP; FITC and 100 µg other labeled form.
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Protein Refseq: The length of the protein is 1049 amino acids long. The sequence is show below: MALPSLLLLVAALAGGVRPPGARNLTAVV
 LPEHNLSYAWAWPRVGPAVALAVEALGRALPVDLRFVSSSELDGACSEYLAPLRAVDLKLY HDPDLLLGP GCVYPAASVARFASHWRLPLLTAGAV
 ASGFAAKSEHYRTLVRTGPSAPKLGEFVVTLHEHFNWTSRAALLYLDARTDDRPY YFTIEGVFEALQGNNLSVQH QVYAREPGGPEQATHFIRAN
 GRIVYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGESLRAGPTRST GRPWQDNRTQEQAQALREAFQTVLVITYREPPNPEYQEFQNRLLI
 RAREDFGVELAPSLMNLIA GCFYDGILLYAEVLNETLQEGGTRED GLRIVEKMQGRRYHKGKGQGWGQALRQLEGPRERGGSTGPWAQLSASS
 QPAAHYSGAEKQIWWTERPIAWVK GAPPLDNPPCAFDLDDPSC DKTPLSTLAIVALGTGITFIMFGVSSFLIFRKLMLEKELASMLWRIRWEELQF
 GNSERCHKGAGSRLTSLRGSSYGS LMTAHGKYQIFA NTGHFKGNVVAIKHV NKKRIELTRQVLFELKHM RDVQFNHLTRFIGACIDPPNICIVTEY
 CPRGSLQDILENDSINLDWMFRYSLINDLV KGMAFLHNSIISSHGSLKSSNCVVD SRFVLKITDYGLASFRSTAEPDDSHALYAKKLWTAPELLSGN
 SLPTTGMMQKADVYSFGIILQEIA LRSGPFYLEGLD LSPKEIVQKVRNGQRPYFRPSIDRTQLNEELVLLMERCWAQDPAERPDFGQIKGFIRRFNK
 EGGTSILDNLLLRMEQY ANNLEKLVEERTQAYLEEKRAEALLYQILPHSVAEQLKRGETVQAEAFDSVTIYFSDIVGFTALSAESTPMQVVTLLND
 LYTCFDAID NFDVYKVETIGDAYMVVSGLPGRNGQRHAPEIARMALALLDAVSSFRIRHRPHDQLRLRIGVHTGPVCAGVVGLKMPRYCLFGDTV
 NTAS RMESNGQALKIHVSSTTKDALDELGC FQLELRGDVEMKGKGKMRTYWLLGERKGSPGLL.

MO-AB-16357Y	Monoclonal	Sheep (<i>Ovis aries</i>)	WB, ELISA	MO16357Y	Unconjugated; also available for Biotin; HRP; FITC and 100 µg other labeled form.
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Protein Refseq: The length of the protein is 1066 amino acids long. The sequence is show below: PPGPGFWGQWDRRFLPMALPSLLLVAAL
 AGGVRPPGARNLTAVVLPEHNLSYAWAWPRVGPAVALAVEALGRALPVDLRFVSSSELDGA CSEYLAPLRAVDLKLYHDPDLLLGP GCVYPAASV
 ARFASHWRLPLLTAGAVASGFS AKSEHYRTLVRTGPSAPKLGEFVVTLHG HFNWTA RAALLYLDARTDDRPHYFTIEGVFEALQGINLSVQH QVY
 AREPGGPEQATHFIRANGRTAPVVYICGPLEMLHEILLQAQRENLTNGDYV FFYLDVFGESLRAGPTRSMGRPWQDNRTREQA QALREAFQTVL
 VITYREPPNPEYQEFQNRLLIRAREDFGVELAPSLMNLIA GCFYDGI LLYAEVLNETIQEGGTREDGLRIVEKMQGRRYRGVTGLVMDKNNDRET
 DFLVWAMGDLVSGDFQPAAHYSGAEKQIWWTGRPIPVWVKG A PPLDNPPCAFDLDDPSCDKTPLSTLAIVALGTGITFIMFGVSSFLIFRKLMLEKE
 LASMLWRIRWEELQFGNSERCHKGAGSRLTSLRG SSYGS LMTAHGKYQIFANTGHFKGNVVAIKHV NKKRIELTRQVLFELKHM RDVQFNHLTR
 FIGACIDPPNICIVTEYCPRGSLQDILEND SINLDWMFRYSLINDLVKGMAFLHNSIIASHGSLKSSNCVVD SRFVLKITDYGLASFRSTAEPDDSHAL
 YAKKLWTAPELLSGNPLPTTG MQKADVYSFGIILQEIALRSGPFYLEGLD LSPKEIVQKVRNGQRPYFRPSIDRTQLNEELVLLMERCWAQDPAER

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
PDFGQIKGFIRRFNK EGGTSILDNLLRMEQYANNLEKLVEERTQAYLEEKHKA EALLYQILPHSVAEQLKRGETVQAEAFDSVTIYFSDIVGFTALS AESTPMQ VVTLNLDLYTCFDAIIDNFDVYKVETIGDAYMVVSGLPGRNGQRHAPEIARMALALLDAVSSFRIRHRPHDQLRLRIGVHTGPVCAGVV G LKMPRYCLFGDVTNTASRMESNGQALKIHVSSTTKDALDELGCFQLELRGDVEMKGKGKMRTYWLLGERKGPAGLL.						
MO-MMB-0130	Polyclonal	Rice	ELISA, WB		None	100 µg



AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.