

AibGenesis™ Mouse Anti-ATP2B3 Antibody (CBMOAB-36560FYA)

Cat. No.: CBMOAB-36560FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO36560FYA
Specificity	This antibody binds to Rhesus ATP2B3.
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

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

The protein encoded by this gene belongs to the family of P-type primary ion transport ATPases characterized by the formation of an aspartyl phosphate intermediate during the reaction cycle. These enzymes remove bivalent calcium ions from eukaryotic cells against very large concentration gradients and play a critical role in intracellular calcium homeostasis. The mammalian plasma membrane calcium ATPase isoforms are encoded by at least four separate genes and the diversity of these enzymes is further increased by alternative splicing of transcripts. The expression of different isoforms and splice variants is regulated in a developmental, tissue- and cell type-specific manner, suggesting that these pumps are functionally adapted to the physiological needs of particular cells and tissues. This gene encodes the plasma membrane calcium ATPase isoform 3. Alternatively spliced transcript variants encoding different isoforms have been identified. (From NCBI)

Product Overview

Mouse Anti-Rhesus ATP2B3 Antibody is a mouse antibody against ATP2B3. It can be used for ATP2B3 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 1173 amino acids long.
The sequence is show below: MGDMANSSIEFHPPKQQQRDAPHAGGFGCTLAELRALMELRGAEALQKIE
EAYGDVSGLC RRLRTSPTEGLADNTNDLEKRRQIYGQNFIPPKQPKTFLQLVWEALQDVTLLILEVAAIV SL
GLSFYAPPGESEACGNVSGGTEDEGEAEAGWIEGAAILLSVICVVLVTAFNDWSKEK QFRGLQSRIEQEQ
KFTVIRNGQLLQVPVAALVVGDIQVKYGDLLPADGVLIQANDLKID ESSLTGESDHVRKSADKDPMLLSGT
HVMEGSGRMVVTAVGVNSQTGIIFTLLGAGGEEEE KKDKKGKQQDGAMESSQTKAKKQDGAVAMEMQPL
KSAEGGEMEEREKKKANAPKKEKSVL QGKLTCLAVQIGKAGLVMSAITVIILVLYFVIETFVLEGRTWLAECT
PVYVQYFVKFFII GVTVLVVAVPEGLPLAVTISLAYSVKMMKDNNLVRHLDACETMGNATAICSDKTGTLTT
NRMTVVQAYVGDVHYKEIPDPSSINTKTMELLVNAIANSAYTTKILPPEKEGALPRQVG NKTECGLLGFVLD
LKQDYEPVRSQMPEEKLYKVYTFNSVRKSMSTVIKLPDESEFRMYSKG ASEIVLKKCKKILNGAGEPRVFRP
RDRDEMVKKVIEMACDGLRTICVAYRDFPSSPEPD WDNENDILNELTCICVVGIEDPVRPEVPEAIRKCQR
AGITVRMVTGDNINTARAIKCG IHPGEDFLCLEGKEFNRRIRNEKGEIEQERIDKIWPKLRLVARSSPTDK
HTLVKGIIDS THTEQRQVVAVTGDGTNDGPALKKADVGFAMGIAGTDVAKEASDIILTDNFSIVKAVM WG
RNVYDSISKFLQFLTNNVAVIVAFTGACITQDSPLKAVQMLWVNLIMDTFASLALA TEPPTETLLLRKPYG
RNKPLISRTMMKNILGHAVYQLALIFTLLFVGKMFQIDSGRNAP LHSPSEHYTIIFNTFVMMQLFNEINAR
KIHGERNVFDGIFSNPIFCTIVLGTFGIQIVI VQFGGKPFSCSPLSTEQWLWCLFVGVGELVWGQVIATIPTSQ
LKCLKEAGHGPGKDEMTD EELAEGEEEEIDHAERELRRGQILWFRGLNRIQTQMEVVSTFKRSGSVQGAVR
RRSSVLSQ LHDVTNLSTPTHILSAANPTSAAGNPGGESVP.

Sub Cat	Clonality	Species	Reactivity	Application	Clone	Conjugate	Size
MO-AB-0012	Monoclonal	Elephant (<i>Loxodonta africana</i>)	WB, ELISA	MO00129	Unconjugated; also available for Biotin; HRP; FITC and o 100 µg		

Protein Refseq: The length of the protein is 1254 amino acids long. The sequence is show below: MGDMANSSIEFYPPKQQQREAPHAGGFG
CTLAELRSLMELRGAEALQKVQEAYGDVSGLCRRLKTSPTTEGLADNTTDLEKRRQIYGQNFIPPKQPKTFLQLVWEALQDVTLLILEVAAIVSLGLS
FYAPPGESEACGNVVGAEDEGEAEAGWIEGAAILLSVICVVLVTAFNDWSKEK QFRGLQSRIEQEQKFTVIRNGQLLQVPVAALVVGDIQVKY
RDLLPADGVLIQGNLDKIDESSLTGESDHVRKSADKDPMLLSGTHVMEG SGRMVVTAVGVNSQTGIIFTLLGAGGEEEEKKDKKGKQQDGAMES
SQTAKKQDGAVAMEMQPLKSAEGGEMEEREKKKANVPKKEKSVL QGKLTCLAVQIGKAAGLVMSAITVIILVLYFVIETFVVDGRVWLAECTPVY
VQYFVKFFIIGVTVLVVAVPEGLPLAVTISLAYSVKMM KDNKLPAHGWAATGGLGVSCALLRNDGKAARQRVALQLGHSHPGHTGDPPLLSATYT
LSDLVVAGLGTRAPGRALQPPEKEGALPRQVG NKTECALLGFVLDLKRDFQTVREQUIPEDKLYKVYTFNSVRKSMSTVICMPDGGFRLFSKGA
SEILLKKCSNILNSNGELRSFRPRDRDEM VKKIIEMACDGLRTICIAYRDFSAGQEPEWDNENEVVGDLTCIAVVGIEDPVRPEVPEAIRKCQRAG
ITVRMVTGDNINTARIAVKCG IIQPGEDFLCLEGKEFNRRIRNEKGEIEQERLDKVPKLRLVARSSPTDKHTLVKGIIDSVTGEQRQVVAVTGDG
TNDGPALKKADVGFAMGIAGTDVAKEASDIILTDNFTSIVKAVMWGRNVYDSISKFLQFLTNNVAVIVAFTGACITQDSPLKAVQMLWVNLIMDT
FASLALA TEPPTESLLLRKPYGRDKPLISRTMMKNILGHAVYQLTIIFTLLFVGELFFDIDSGRNAPLHSPSEHYTIIFNTFVMMQLFNEINARKI HG
ERNVFDGIFSNPIFCTIVLGTFGIQIVIVQFGGKPFSCSPLSTEQWLWCLFVGFGELVWGQVIATIPTSQ LKCLKEAGHGPGKDEMTD EELAEGEEEE

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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IDHAERELRRGQILWFRGLNRIQTQMEVVSTFKRSASFQGALRRRSSVLSQLHDVTNLSTPTHIRVVKAFRSSLYEGLEKP DSKASVHNFMTPPE
FLINDYTHNIPLIDDDTDVDENEERLRAPPPQSPNKNNNAIDSGVYLATTASKSATSSRPGSPLHSVETSL.

MO-AB-0631	Monoclonal	O. anatinus (<i>Ornithorhynchus anatinus</i>)	WB, ELISA	MO06316	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 1172 amino acids long. The sequence is show below: MGDMANSSVDFYPKNQRQELNHAGGFG
CTLPRLSLMELRGAEALQKVQETYGDVNGLCRRLKTSPT EGLSDNVADLEKRRQIYGQNFIP PKQPKTFLQLVWEALQDVTLLILEIAAIIISLGLSF
YAPPGEESEACGNVAAGAEDEGESEAGWIEGAAILLVICVVLVTA FNDSKEKQ FRGLQSRIEQEQKFTVIRNGQVIQIPVAELVVG DIAQIKYGD
LLPADGVLIQGNL KIDESSLTGESDHVRKSVEKDPMLLSGTHVMEGS GRMVVSAVG VNSQTGIIFTLLGAGGEEEEKDKKKGKQQDGA VENNQ
NKAKKQDGA VAMEMQPLKSAEGGEMEEREKKKASVPKKEKSVLQ GKLT KLAVQIGKAGLVMSAITVIILVLYFVIETFVIQGRVWLAECTPVYVQY
FVKFFIIGVTVLVVAVPEGLPLAVTISLAYS VKKMMKD NNLVRHLDACETMG NATAICSDKTGTLTNRMTVVQSYVGDTHYREIPD PASLTPKTLDL
LVHAISINSAYTTKILPPEKEGALPRQVGN KTECALLGFVLDLKRDFQPV RDQIPEEKLYKYVTFNSVRKSMSTVTCMPDGGFRLFSKGASEILLKK
CTNILNSSGELRGFRPRDRDEM V KKVIEPMACDGLRTICIA YRDFSAGQEPEWDNENEIVGDLT CIAVVGIEDPVRPEVPEAIRKCQRAGITVRMV
TGDNINTARAIAAKCGI IQPGEDFLCLEGKEFNRRIRNEKGEIEQERLDKIWP KLRVLARSSPTDKHTLVKGIIDSTIGEQRQVVAVTGDGTNDGPAL
KKADVGFAM GIAGTDVAKEASDIILTDDNFSSIVKAVMWGRNVYDSISKFLQFQLTVNVVAVIVAFTGACITQDSPLKAVQMLWVNLIMDTFASLALA
T EPPTESLLL RKPYGRNKPLISRTMMKNILGHAVYQLTIIFTLLFVGEIFFDIDSGRNAPLHSPSEHYTIIFNTFVMMQLFNEINARKIH GERNVFDG
IFGNPIFCTIVLGTFGVQIVIVQFGGKPFSCSPLTTEQWLWCLFVG VGELVWGQVIATIPTSQ LKCLKEAGHGPGKDEITDE EMAEDEEEIDHAERE
LRRGQILWFRGLNRIQTQMEVVSTFKRSGSFQGA VRRRSSVLSQLHDVTNISTPTHVILSAANATSTAGNPGGES IP.

MO-AB-0729	Monoclonal	Rabbit (<i>Oryctolagus cuniculus</i>)	WB, ELISA	MO07298	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 1027 amino acids long. The sequence is show below: MGDMANSSIECHPKPQPREAPHAGGFG
CTLAELRTLME LRGAELQKIQEAYGDVSGLCRRLKTSPT EGLADNTNDLEKRRQIYGQNFIP PKQPKTFLQLVWEALQDVTLLILEVAAIVSLGLSF
YAPPGEESEACGNVSGGAEDEGEAEAGWIEGAAILLVICVVLVTA FNDSKEK QFRGLQSRIEQEQKFTVIRNGQLLQVPVAALVVG DIAQVKY
GDLLPADGVLIQGNL KIDESSLTGESDHVRKSADKDPMLLSGTHVMEG SGRMVVTAVG VNSQTGIIFTLLGAGGEEEEKDKKKGKQQDGA MES
SQTAKKQDGA VAMEMQPLKSAEGGELEERERKKASAPRKEKSVL QGKLT KLAVQIGKAGLVMSAITVIILVLYFVIETFVVDGRVWLAECTPVYV
QYFVKFFIIGVTVLVVAVPEGLPLAVTISLAYS VKKMMK DNNLVRHLDACETMG NATAICSDKTGTLTNRMTVVQSYVGDTHYREVPAPSALT PKIL
DLLVHAISINSAYTTKILPPEKEGALPRQVG NKTECALLGFVLDLKRDFQPV REQIPEDKLYKYVTFNSVRKSMSTVIRMPDGA FRLFSKGASEILLK
KCTHILNSGELRVFRPRDREDM VKKII EPMACDGLRTICIA YRDF AAGHEPDWDNENEVVDLT CIAVVGIEDPVRPEVPEAIRKCQRAGITVRM
VTGDNINTARAIAAKCG I IQPGEDFLCLEGKEFNRRIRNEKGEIEQERLDKVWP KLRVLARSSPTDKHTLVKGIIDSTSGEQRQVVAVTGDGTNDG
PALKKADVGF A MGIAGTDVAKEASDIILTDDNFTSIVKAVMWGRNVYDSISKFLQFQLTVNVVAVIVAFTGACITQDSPLKAVQMLWVNLIMDTFASL

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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ALA TEPPTESLLLRKPYGRDKPLISRTMMKNILGHAAYQLTIIFTLLFVGELFFDIDSGRNAPLHSPPSEHYTIIFNTFVMMQLFNEINARKI HGERNV
FDGIFSNPIFCSIVLGTFAIQVGGAEQPLCS.

MO-AB-0778	Monoclonal	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO07788	Unconjugated; also available for Biotin; HRP; FITC and o 100 µg	
8R				R	ther labeled form.	

Protein Refseq: The length of the protein is 1206 amino acids long.

The sequence is show below: MGDVANSSIEFHPPKQQQREAPHAGGFGCTLAELRSLMELRGAEALQKVQEAYGDVSGLCRRLKTSPT EGLAD
NANDLEKRRQIYGQNFIPPKQPKTFLQLVWEALQDVTLIILEVAAIVSLGLSFYAPPGEESEACGNVSAGAEDGEAEAGWIEGAAILLSVICVVLVT
AFNDWSKEK QFRGLQSRIEQEQKFTVIRNGQLLQVPVATLVVGDIQVKYGDLLPADGVLIQGNDLKIDESSLTGESDHVRKST.

MO-AB-0843	Monoclonal	Cat (<i>Felis catus</i>)	WB, ELISA	MO08433	Unconjugated; also available for Biotin; HRP; FITC and o 100 µg	
3W				W	ther labeled form.	

Protein Refseq: The length of the protein is 1257 amino acids long.

The sequence is show below: MGDMANSSIEFHPPKQQQREAPHAGGFGCTLAELRSLMELRGAEALQKVQEAYGDVSGLCRRLKTSPT EGLAN
NANDLEKRRQIYGQNFIPPKQPKTFLQLVWEALQDVTLIILEVAAIVSLGLSFYAPPGEESEACGNVSAGAEDGEAEAGWIEGAAILLSVTCVVLV
TAFNDWSKER QFRGLQSRIEQEQRFVIRDGQLLQVPVAALVVGDIQVKYGDLLPADGVLIQGNDLKIDESSLTGESDHVRKSADKDPMLLSGT
HVMEG SGRMVVTAVGVNSQTGIIFTLLGAGGEEEEKKDKKGKQQDGAMESSQTKAKKQDGAVAMEMQPLKSAEGGETEEREKKASVPKKEK
SVL QGKLTKLAVQIGKAGLVMSAITVIILVLYFIETFVVDGRVWLAECTPVYVQYFVKFFIIGVTVLVAVPEGLPLAVTISLAYSVKKMMR DNNLVR
HLDACETMGNATAICSDKTGTLTNRMTVVQSYLGDTHYKEVPAPSTLTPKILDLLVHAISINSAYTTKILPPEKEGALPRQVG NKTECALLGFVLDL
KRDFQPVREQIPEDKLYKYTFNSVRKSMSTVIRMPDGGFRLFSKGASEILLKCKTNILNSNGEPRGFRPRDRDDM VKKIIEPMACDGLRTICIA Y
RDFSAAQEPDWDNENEVVGDLTCIAVVGIEDPVRPEVPEAIRKCQRAGITVRMVTGDNINTARAIAAKCG IIQPGEDFLCLEGKEFNRRIRNEKGEI
EQERDKVWPKLRLVARSSPTDKHTLVKGIIDSSTGEQRQVAVTGDGTNDGPALKKADVGFAM GIAGTDVAKEASDIITDDNFTSIVKAVMWGR
NVYDSISKFLQFLTNNVAVIVAFTGACITQDSPLKAVQMLWVNLIMDTFASLALAT EPPTESLLLRKPYGRDKPLISRTMMKNILGHAVYQLTIIFTL
LFVGELFFDIDSGRNAPLHSPPSEHYTIIFNTFVMMQLFNEINARKIH GERNVFHGIFSNPIFCTIVLGTFAIQIVIVQFGGKPFSCCPLSTEQWLWCL
FVGVGELVWGQVIATIPTSQKCLKEAGHGPGKDEMTDE ELAEGEEEIDHAERELRRGQILWFRGLNRIQTQMEVVSTFKRSGSFQGAVRRRSS
VLSQLHDVTNLSTPTHIRVVKAFRSSLYEGLEKPE SKTSIHNFMATPEFLINDYTHNIPLIDDTVDENEERLRAPPPSPNQNNNAIDSGIYLTTHG
TKSATSSVFSSRPGSPLHSVETSL.

MO-AB-1429	Monoclonal	Sheep (<i>Ovis aries</i>)	WB, ELISA	MO14294	Unconjugated; also available for Biotin; HRP; FITC and o 100 µg	
4Y				Y	ther labeled form.	

Protein Refseq: The length of the protein is 1122 amino acids long. The sequence is show below: MELRGAEALQKVQEAYGDVGGLCRRLKT
SPT EGLADNANDLEKRRQIYGQNFIPPKQPKTFLQLVWEALQDVTLIILEVAAIVSLGLSFY APPGEESEACGNVSAGAEDGEAEAGWIEGAAILL
SVICVVLVTAFNDWSKEKQFRGLQSRIEQEQKFTVIRNGQLLQVPVATLVVGDIQVKYGDLLPADGVLIQGNDLKIDESSLTGESDHVRKSTDKDP

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
MLLSGTHVMEGSGRMVVTA VGVNSQTGIIFTLGAGGEEEEKKDKKAK KQDGAVAMEMQPLKSAEGGEMEEREKKKANVPKKEKSVLQGKLT K LAVQIGKAGLVMSAITVIILVLYFVIETVIDGRVWLAECTPVYV QYFVKFFIIGVTVLVVAVPEGLPLAVTISLAYSVKKMMRDNNLVRHLDACETMGN ATAICSDKTGTLTTNRMTVVQSYLGDTHYKEVPAP SALTPKILDLLVHAISINSAYTTKILPPEKEGALPRQVG NKTECALLGFVLDLKQDFQPVREQ IPEDKLYKVYTFNSVRKSMSTVIRTPD GGFRLFSKGASEILLKKCTNILNSNGELRSFRPRDRDDMVKKIIEPMACDGLRTICIA YRDFATQEPDW DNENEVVDLTICIAVVGIED PVRPEVPEAIRKCQRAGITVRMVTGDNINTARAIAAKCGIIQPGEDFLCLEGKEFNRRIRNEKGEIEQERLDK VWP LRVLARSSPTDKH TLVKGII DSHTGEQRQVAVTGDGTNDGPALKKADVGFAMGIAGTDVAKEASDIILTDNFTSIVKAVMWGRNVYDSISKFLQF QLTVNV VAVIVAFTGACITQDSPLKAVQMLWVNLIMDTFASLALATEPPTESLLLRKPYGRDKPLISRTMMKNILGHAVYQLTIIFTLLFVGELFF DIDS GRNAPLHSPPEHYTIIFNTFVMMQLFNEINARKIHGERNVFHGIFSNPIFCTIVLGTFAIQIVIVQFGGKPFSCSPLSTEQWLWC LFGVVGELVWG QVIATIPTSQKLKCLKEAGHGP GKDEMTDEELAEGEEEEIDHAERELRRGQILWFRGLNRIQTQMEVVSTFKRSGSFQGAV RRRSSVLSQLHDVTNL STPTHVTL SAANPTSAAGNSGGESVP.						
MO-AB-2394	Monoclonal	Pig (<i>Sus scrofa</i>)	WB, ELISA	MO23948	Unconjugated; also available for Biotin; HRP; FITC and o 100 μg	
8R				R	ther labeled form.	
Protein Refseq: The length of the protein is 1258 amino acids long. The sequence is show below: MGDVANSSIEFHPKAQQQREAPHAGGFGCTLAELRSLMELRGAEALQKVQEAYGDVGGLCRRKLTSPTEGLAD NPSDLEKRRQIYGQNF I PPKQPKTFLQLVWEALQDVTLIILEVAAIVSLGLSFYAPPGESEACGNVSAGAEDGEAEAGWIEGAAILLSVICVVLVT AFNDWSKEK QFRGLQSRIEQEQKFTVIRNGQLLQVPVAALVVG DIAQVKYGDLLPADGVLIQGNDLKIDESSLTGESDHVRKSADKDPMLLSGTH VMEG SGRMVVTA VGVNSQTGIIFTLGAGGEEEEKKDKKKGKQQDGAMESSQTAKKKQDGAVAMEMQPLKSAEGGEMEEREKKKANVPKKEKS VL QGKLTKLAVQIGKAGLLMSAVTVIILVVYFVIETFVVDGRAWLAECTPVYVQYFVKFFIIGVTVLVVAVPEGLPLAVTISLAYSVKKMMK DNNLVRH LDACETMGNATAICSDKTGTLTTNRMTVVQSYLGDTHYKEIPAPSALTPKILDLLVHAISINSAYTTKILPPEKEGALPRQVG NKTECALLGFILDLKQ DFQPVREQIPEDKLHKVYTFNSVRKSMSTVIRTPDGGFRLFSKGASEILLKKCTHILNSNGELRGFRPRDRDDM VKKIEPMACDGLRTICIAFRD FAAMQEPDWDNENEVVDLTICIAVVGIEDPVRPEVPEAIRKCQRAGITVRMVTGDNINTARAIAAKCG IIQPGEDFLCLEGKEFNRRIRNEKGEIEQ ERLDK VWP KLRVLARSSPTDKHTLVKGIIDSTS GEQRQVAVTGDGTNDGPALKKADVGF A MGIAGTDVAKEASDIILTDNFTSIVKAVMWGRNV YDSISKFLQFQLTVNVVAVIVAFTGACITQDSPLKAVQMLWVNLIMDTFASLALA TEPPTESLLLRKPYGRDKPLISRTMMKNILGHAVYQLTIIFTLLF VGDLFFDIDSGRNAPLHAPPSEHYTIIFNTFVMMQLFNEINARKI HGERNVFHGIFSNPIFCTIVLGTFAIQIVIVQFGGKPFSCSPLSTEQWLWCLFV GVGELVWGQVIATIPTSQKLKCLKEAGHGP GKDEMTD EELAEGEEEEIDHAERELRRGQILWFRGLNRIQTQMEVVSTFKRSGSFQGAVRRRSSVL SQLHDVTNLSSPTHIRVVKA FRSSLYEGLEKP ESKTSIHNFMATPEFLINDYTHNIPLIDDTVDENEERLRAPPPSPNQNNNAIDSGIYLTMHGTK SATSSVFSSRPGSPLHSVETSL.						
MO-AB-2422	Monoclonal	Rat (<i>Rattus norvegicus</i>)	WB, ELISA	MO24227	Unconjugated; also available for Biotin; HRP; FITC and o 100 μg	
7H				C	ther labeled form.	

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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Protein Refseq: The length of the protein is 217 amino acids long.

The sequence is show below: RNAPLHSPSEHYTIIFNTFVMMQLFNEINARKIHGERNVFDGIFSNPIFCTIVLGTFGIQIVIVQFGGKPFSCSPLST
EQWLWCLFVGV GELVWGQVIATIPSTQLKCLKEAGHGPGKDEMTDEELAEGEEEDHAERELRRGQILWFRGLNRIQTQMEVVSTFKRSGSFQG
AVRRRSS VLSQLHDVTNLSTPTHVTLSSAKPTSAGNPSGESIP.

MO-AB-2909	Monoclonal	Dog (<i>Canis lupus familiaris</i>)	WB, ELISA	MO29095	Unconjugated; also available for Biotin; HRP; FITC and o 100 µg	
5W				W	ther labeled form.	g

Protein Refseq: The length of the protein is 1258 amino acids long.

The sequence is show below: MGDMANSSIEFHPKPQQQREAPHAGGFGCTLAELRSLMELRGAEALQKVQEAYGDVSGLCRRLKTSPTTEGLAN
NANDLEKRRQIYGQNFIPPKQPKTFLQLVWEALQDVTLLILEVAAIVSLGLSFYAPPGESEACGNVSAGAEDGEAEAGWIEGAAILLSVTCVVLV
TAFNDWSKER QFRGLQSRIEQEQRFSVIRDGQLLQVPVAALVVGDIQVKYGDLLPADGVLIQGNLKDIDESSLTGESDHRKSADKDPMLLSGT
HVMESGRMVVTAVGVNSQTGIIFTLLGAGGEEEEKDKKKGKQDGAMESSQTKAKKQDGAVAMEMQPLKSAEGGEMEEREKKKASVPKKEK
SVL QGKLTCLAVQIGKAGLVMSAITVILVLYFVIETFVVDGRVWLAECTPVYVQYFVKFFIIGVTVLVAVPEGLPLAVTISLAYSVKKMMR DNNLVR
HLDACETMGNATAICSDKTGTLTNRMTVVQSYLGDTHYKEVPAPSTLTPKILDLLVHAISINSAYTTKILPPEKEGALPRQVG NKTECALLGFVLDL
KRDFQPVREQIPEDKLYKVYTFNSVRKSMSTVIRMPDGGFRLFSKGASEILLKKCSNILNSHGELRGFRPRDRDDM VKKIEPMACDGLRTICIAIR
DFAAQEPDWDNENEVVDLTCLAVVGIEDPVRPEVPEAIRKCQRAGITVRMVTGDNINTARAIAAKCG IIQPGEDFLCLEGKEFNRRIRNEKGEIE
QERLDKVWPKLRVLARSSPTDKHTLVKGIIDSNTGEQRQVAVTGDGTNDGPALKKADVGA MGIAGTDVAKEASDIITDDNFTSIVKAVMWGRN
VYDSISKFLQFLTNNVAVIVAFTGACITQDSPLKAVQMLWVNLIMDTFASLALA TEPPEALLLRKPYGRDKPLISRTMMKNILGHAVYQLTIIFTLL
FVGELFFDIDSGRNAPLHSPSEHYTIIFNTFVMMQLFNEINARKI HGERNVFHGIFSNPIFCTIVLGTFAIQIVIVQFGGKPFSCSPLSTEQWLWCLF
VGVGELVWGQVIATIPSTQLKCLKEAGHGPGKDEMTD EELAEGEEEDHAERELRRGQILWFRGLNRIQTQMEVVSTFKRSASFQGA VRRRSSV
LSQLHDVTNLSTPTHIRVVKAFRSSLYEGLEKPEKTSIHNFMATPEFLINDYTHNIPLIDDDVDENEERLRAPPPSPNQNNNAIDSGIYLSTHGT
KSATSSVLSSRPGSPLHSVETSL.

MO-AB-3443	Monoclonal	Ferret (<i>Mustela Putorius Furo</i>)	WB, ELISA	MO34435	Unconjugated; also available for Biotin; HRP; FITC and o 100 µg	
5W				W	ther labeled form.	g

Protein Refseq: The length of the protein is 1220 amino acids long.

The sequence is show below: MGDLANSSIEFHPKPQQQREAPQAGGFGCTLAELRSLMELRGAEALQKVQEAYGDVSGLCRRLKTSPTTEGLAN
NASDLEKRRQIYGQNFIPPKQPKTFLQLVWEALQDVTLLILEVAAVVSGLGLSFYAPPGESEACGNVSAGAEDGEAEAGWIEGAAILLSVSCVVLV
TAFNDWSKDR QFRGLQSRIEQEQRFSVIRDGQLLQVPVAALVVGDIQVKYGDLLPADGVLIQGNLKDIDESSLTGESDHRKSADKDPMLLSGT
HVMESGRMVVTAVGVNSQTGIIFTLLGAGGEEEEKDKKKGKQDGAMESSQTKAKKQDGAVAMEMQPLKSAEGGETEEREKKKASAPKKEK
SVL QGKLTCLAVQIGKAGLVMSAITVILVLYFVIETFVVDGRAWLAECTPVYVQYFVKFFIIGVTVLVAVPEGLPLAVTISLAYSVKKMMR DNNLVR
HLDACETMGNATAICSDKTGTLTNRMTVVQSYLGDTHYKEVPAPSTLTPKILDLLVHAISINSAYTTKILPPEKEGALPRQVG NKTECALLGFVLDL

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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KRDFQPVREQIPEDKLYKVYTFNSVRKSMSTVIRMPDGGFRLFSKGASEILLKKCTNILNSNGELRSFRPRDRDDM VKKIEPMACDGLRTICIAIR
 DFSAAQEPDWDKENEVVGDLTCIAVVGIEDPVRPEVPEAIRKCQRAGITVRMVTGDNINTARAIAAKCG IIQPGEDFLCLEGKEFNRRIRNEKGEIE
 QERLDKVWPKLRVLARSSPTDKHTLVKGIIDSNAGEQRQVAVTGDGTNDGPALKKADVGA MGIAGTDVAKEASDIILTDNFTSIVKAVMWGR
 NVYDSISKFLQFQLTVNVVAVIVAFTGACITQDSPLKAVQMLWVNLIMDTFASLALA TEPPTALLLRKPYGRDKPLISRTMMKNILGHAVYQLAIIFT
 LLFVGELFFDIDSGRNAPLHSPSEHYTIIFNTFVMMQLFNEINARKI HGERNVFHGIFSNPIFCTIVLGTFAIQIVIVQFGGKPFSCSPLSTEQWLWC
 LFVGVGELVWGQVIATIPSTQLKCLKEAGHGPBKDEMTD EELAEGEEEIDHAERELRRGQILWFRGLNRIQTQIRVVKAFRSSLYEGLEKPEKSKTS
 IHNFMATPEFLINDYTHNIPLIDDDVDENEER LRAPPPAPNQNNNAIDSGIYLTTHGTSATSSAFSSRPGSPLHSVETSL.

MO-AB-4129	Monoclonal	Guinea pig (<i>Cavia porcellus</i>)	WB, ELISA	MO41292	Unconjugated; also available for Biotin; HRP; FITC and o 100 µg
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Protein Refseq: The length of the protein is 1216 amino acids long.

The sequence is show below: MGDMASSIEFHPKREAPQAGGFGCTLAELRALMELRGAEALQKIQEAYGDVSGLCRRLKTSPTTEGLADNTNDL
 EKRRQIYGQNFIPPKQ PKTFLQLVWEALQDVTLLILEVAAIVSLGLSFYAPPGEESEACGNVSGGAEDEGEAEAGWIEGAAILLSVICVVLVAFND
 WSKEKQFRG LQSRIEQEQKFTVIRNGQLLQVPVAALVVGDIQVKGDLLPADGVLIQGNLKDIDESSLTGESDHVRKSADKDPMLLSGTHVMEG
 SGRM VVTAVGVNSQTGIIFTLLGAGGEEEEKKDKKGKQDQDAMSSQTRAKKQDGAVAMEMQPLKSAEGGEMEEREKKKASVPKKEKSVLQG
 KL TKLAVQIGKAGLVMSAITVILVLYFVIETFVVDGRVWLAECTPVYVQYFVKFFIIGVTVLVAVPEGLPLAVTISLAYSVKMMMDNNL VRHLDAC
 ETMGNATAICSDKTGTLTNRMTVVQSYLGDTHYKEIPAPSALTPKILDLLVHAISINSAYTTKILPPEKEGALPRQVGNKTE CALLGFVLDLKRDFQ
 PVREQIPEDKLYKVYTFNSVRKSMSTVIHLDPDGSFRLFSKGASEILLKKCTNILNSSGELRSFRPRDRDDMVKKV IEPMACDGLRTICVAYRDFSAG
 QEPDWDNENEVVGDLTCIAVVGIEDPVRPEVPEAIRKCQRAGITVRMVTGDNINTARAIAAKCGIIP GEDFLCLEGKEFNRRIRNEKGEIEQERLD
 KVWPKLRVLARSSPTDKHTLVKGIIDSTTGEQRQVAVTGDGTNDGPALKKADVGFAMGIA GTDVAKEASDIILTDNFTSIVKAVMWGRNVYDSI
 SKFLQFQLTVNVVAVIVAFTGACITQDSPLKAVQMLWVNLIMDTFASLALATEPP TESLLLRLKPYGRDKPLISRTMMKNILGHAVYQLTIIFTLLFVGEL
 FFDIDSGRNAPLHSPSEHYTIIFNTFVLMQLFNEINARKIHGER NVFDGIFSNPIFCTIVLGTFGIQIVIVQFGGKPFSCSPLSTEQWLWCLFVGVGE
 LVWGQVIATIPSTQLKCLKEAGHGPBKDEMTDEELA EGEEEIDHAERELRRGQILWFRGLNRIQTQIRVVKAFRSSLYEGLEKPEKSKSIHNFMVT
 PEFLINDYTHNIPLIDDDVDENEERLRAA LPPSPNQNNNAIDSGIYLTTHATKSATSSAFSSRPGSPLHSVETSL.

MO-AB-4376	Monoclonal	Horse (<i>Equus caballus</i>)	WB, ELISA	MO43768	Unconjugated; also available for Biotin; HRP; FITC and o 100 µg
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Protein Refseq: The length of the protein is 1250 amino acids long.

The sequence is show below: MGDMASSIEFHPKQQQREAPHAGGFGCTLAELRSLMELRGAEALQKVQEAYGDVSGLCRRLKTSPTTEGLAD
 NASDLEKRRQIYGQNF I PPKQPKTFLQLVWEALQDVTLLILEVAAIVSLGLSFYAPPGEESEACGNVSAGAEDGEAEAGWIEGAAILLSVVCVVLV
 TAFNDWSKEK QFRGLQSRIEQEQKFTVIRNGQLLQVPVAALVVGDIQVKGDLLPADGVLIQGNLKDIDESSLTGESDHVRKSADKDPMLLSGT
 HVMEG SGRMVVTAVGVNSQTGIIFTLLGAGGEEEEKKDKKGKQKQDQDAMESSQTKAKKQDGAVAMEMQPLKSAEGGEMEEREKKKAT

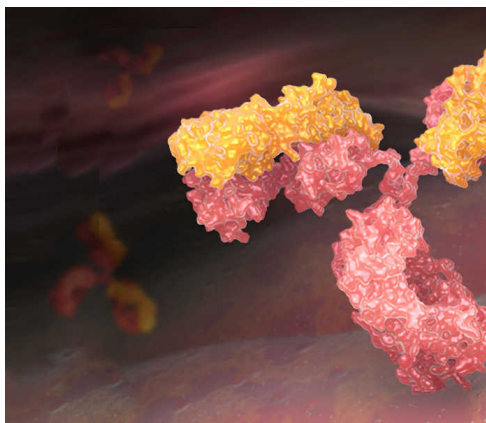
Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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VPKK EKSVLQGKLTCLAVQIGKAGLVMSAITVILVLYFVIETFVVDGRVWLAECTPVYVQYFVKFFIIGVTVLVVAVPEGLPLAVTISLAYS SV KKMMR
DNNLVRHLDACETMGNATAICSDKTGTLTTNRMTVVQSYLGDTHYKEIPAPSALTPKILDLLVHAISINSAYTTKILPPEKEGAL PRQVGNKTECALL
GFVLDLKRDFQPVREQIPEDKLYKYVTFNSVRKSMSTVIRTPDGGFRLFSKGASEILLKKCTNILNSNGELRSFRPR DRDDMVKKIIEPMACDGLR
TICIAYRDFSAAQEPDWDNENEVVDLTICIAVVGIEDPVRPEVPEAIRKCQRAGITVRMVTGDNINTARAI AAKCGIIQPGEDFLCLEGKEFNRRIRN
EKGEIEQERLDKVWPKLRVLARSSPTDKHTLVKGIIDSTTGEQRQVAVTGDGTNDGPALKKA DVGFMAGIAGTDVAKEASDIILTDNFTSIVKAV
MWGRNVYDSISKFLQFQLTVNVVAVIVAFTGACITQDSPLKAVQMLWVNLIMDTFA SLALATEPPTESLLLKPYPGRDKPLISRTMMKNILGHAVYQ
LTIIFTLLFVGELFFDIDSGRNAPLHSPSEHYTIIFNTFVMMQLFNEV NARKIHGERNVFHGIFSNPIFCAIVLGTFAIQIVIVQFGGKPFSCSPLSTEQ
WLWCLFVGVGELVWGQVIATIPSTQLKCLKEAGHGPGK DEMADEELAEGEEEDHAERELRRGQILWFRGLNRIQTQMEVVSTFKRSGSFQGA
VRRSSVLSQLHDIRVVKAFRSSLYEGLEKPESKT SIHNFMATPEFLINDYTHNIPLIDDDVDENEDRLRAPPPSPNQNNNAIDSGIYLTTHGTKSA
TSSVPGSPLHSVETSL.

MO-AB-5153	Monoclonal	Marmoset	WB, ELISA	MO51533	Unconjugated; also available for Biotin; HRP; FITC and o 100 µg	
3W	al			W	ther labeled form.	g

Protein Refseq: The length of the protein is 1220 amino acids long.

The sequence is show below: MGDMANSSIEFHPKPQQQREAPHAGGFGCTLAELRTLME LRGAELQKIEETYGDVSGLCRRRLKTSPTVGLADN
TNDLEKRRQIYQGNFI PPKQPKTFLQLVWEALQDVTLIILEVAIVSLGLSFYAPPGEESEACGNVSGGTEDEGEAEAGWIEGAAILLSVICVVLVTA
FNDWSKEK QFRGLQSRIEQEQKFTVIRNGQLLQVPVAALVVGDIQVKGDLLPADGVLIQANDLKIDESSLTGESDHVRKSADKDPMLLSGTHV
MEG SGRMVVTAVGVNSQTGIIFTLLGAGGEEEEKDKKKGKQDGAMESSQTKAKRQDGAVAMEMQPLKSAEGGEMEDREKKRARAPKKEKS
VL QGKLTCLAVQIGKAGLVMSAITVILVLYFVIETFVVEGRTWLAECTPVYVQYFVKFFIIGVTVLVVAVPEGLPLAVTISLAYS VKKMMK DNNLVRHL
DACETMGNATAICSDKTGTLTTNRMTVVQSYLGDTHYKEIPAPSALTPKILDLLVHAISINSAYTTKILPPEKEGALPRQVG NKTECALLGFVLDLKR
DFQPVREQIPEDKLYKYVTFNSVRKSMSTVIRMPDGGFRLFSKGASEILLKKCTNILNSNGELRSFRPRDRDDI VRKIEPMACDGLRTICIAYRDFP
EGQEPDWDNENEVSDLTICIAVVGIEDPVRPEVPEAIRKCQRAGITVRMVTGDNINTARAI AAKCG IIQPGEDFLCLEGKEFNRRIRNEKGEIEQER
LDKVWPKLRVLARSSPTDKHTLVKGIIDSTSGEQRQVAVTGDGTNDGPALKKADVGA MGIAGTDVAKEASDIILTDNFTSIVKAVMWGRNVYD
SISKFLQFQLTVNVVAVIVAFTGACITQDSPLKAVQMLWVNLIMDTFASLALA TEPPTESLLLKPYPGRDKPLISRTMMKNILGHAVYQLAIIFTLLFVG
ELFFDIDSGRNAPLHSPSEHYTIIFNTFVMMQLFNEINARKI HGERNVFDGIFSNPIFCTIVLGTFGIQIVIVQFGGKPFSCSPLSTEQWLWCLFVG
V
GELVWGQVIATIPSTQLKCLKEAGHGPGKDEMTD EELAEGEEEDHAERELRRGQILWFRGLNRIQTQIRVVKAFRSSLYEGLEKPESKTSIHNF
MATPEFLINDYTHNIPLIDDDVDENEER LRAPPPSPNQNNNAIDSGIYLTTHVTKSATSSVSPSSPRSSLHSVETAL.



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.