

AibGenesis™ Mouse Anti-HEXA Antibody (CBMOAB-36947FYA)

Cat. No.: CBMOAB-36947FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO36947FYA
Specificity	This antibody binds to Rhesus HEXA.
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	This gene encodes a member of the glycosyl hydrolase 20 family of proteins. The encoded preproprotein is proteolytically processed to generate the alpha subunit of the lysosomal enzyme beta-hexosaminidase. This enzyme, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Mutations in this gene lead to an accumulation of GM2 ganglioside in neurons, the underlying cause of neurodegenerative disorders termed the GM2 gangliosidoses, including Tay-Sachs disease (GM2-gangliosidosis type I). Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. (From NCBI)
Product Overview	Mouse Anti-Rhesus HEXA Antibody is a mouse antibody against HEXA. It can be used for HEXA detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 540 amino acids long.

The sequence is show below: MASSRLWFSLLLAAAFAGRATALWPWPQNIQTSDQRYVLYPNNFQFQYDIS
SAAQPGCSV LDEAFQRYRDLLFGSGSWPRPYRTGWPHQAYPVFPGKRHTPEKNVLVSVVTPGCNQLPT
LESVENYTLTINDDQCLLLSETVWGALRGLETFSQLVWKSAGTFFINKTEIEDFPRFPH RGLLLDTSRHYL
PLSSILDTLDMAYNKLNVFHHVLDPSFPYESTFPELMRKGSYNP VTHIYTAQDVKEVIEYARLRGIRVL
AEFDTPGHTLSWGPPIGLLTPCYSGSEPSGTFGP VNPSLNNTYEFMSTFFLEISSVFPDFYLHLGGDEVD
FTCWKSNPDIQDFMRKKGFGEDEFK QLESFYIQTLLDIVSSYGKGYVWQEVFDNKVKIRPDTIIQVWREEIP
VNYMKELELVTK AGFRALLSAPWYLNRIISYGPDWKDFYIVEPLAFEGTPEQKALVIGGEACMWGEYVDNT
NL VPRLWPRAGAVAERLWSNKLSTDLTFAYERLSHFRCCELLRRGVQAQPLHVGyceQEFQEQT .

Sub Cat	Clonalit y	Species	Reactivity	Applicati on	Clone	Conjugate	Size
CBMOAB-79382	Monoclonal	Zebrafish (<i>Danio rerio</i>)		WB, ELISA	MO79382F	Unconjugated; also available for Biotin; HRP; FITC and o 100 μg	
FYA					YA	ther labeled form.	g

Protein Refseq: The length of the protein is 532 amino acids long.

The sequence is show below: MARIAKSPRFCCCLLSVVVFSQFVERVCGVWPLPQEIQQSAESSGLSPQLFTFTYSQDSAAQAGCSVLDTAFKR
YFSIIFPDFTKDALHD MWLEPKAFVLSVSVKTRGCDGYPDEDSDESYNLSVSEGQAVLRSVTVWGALRGLESFSQLVYRDDY GAYFVNKTEIVDF
PRFAFRGLLLD TSRHYLPLHAILKTL DAMAYSKFNVFHHVLDPSFPYQSRTFPDL SKKGAFHPFTHIYTQSDVMRVEIHARMRGIRVVPEFDSP
GHTQS WGKGQPDLLTPCYKGGKPSGTGYGPDPTVDTTYRFMERLLKEVKFVPDSYVHLGGDEVSFACWQSNPSVGKFMKMGFGRDFTKL
ESFY MESIMNITAALNKTSIVWQDVFDYHERIPQGTVLEIWKGETYQTELSKMTKAGHRVLLSAPWYINHITYGQDWRNSYAVQPQNFSGTEEQ
KKLVIGGEVAMWGEYVDATNLNPRLWPRACAAAERLWSNEEKT LNADLAFPRLEEFRCELVRRGIAEPLFVGHCHEFNGL.

MO-AB-00612L	Monoclonal	Elephant (<i>Loxodonta africana</i>)		WB, ELISA	MO00612L	Unconjugated; also available for Biotin; HRP; FITC and o 100 μg	
						ther labeled form.	g

Protein Refseq: The length of the protein is 529 amino acids long. The sequence is show below: MAGSTLWFSLLLAAATAGPATALWPWPQYI
QTSDQRYAVLPKNFDFRYHAGSAAKPGCSVLDQAFQRYRHLLFHSASDSPTGRTEKQYAA EKNTLTIFVATPGCHQLPSLESVENYTLTINDEQC
FLLSETVWGALRGLETFSQLIWRSDGTFFINKTDIVDFPRFPHRGLLDTSRHY LPLSSILDTLDMAYNKFNVFHHVLDPSFPYDSVTFPEL
ARKGSYNPVTHIYTVQDVKEVVEYARLRGIRVVPEFDTPGHTLSWGLGV PGLLTPCYSGSKPSGTFGPVNPILNSTYEFMTTFFLEISSVFPDFYL
HLGGDEVDFSCWKSNPDVQAFMKKKGFGEDEFKQLESYIQMLL NIVSAYGKGYVWQEVFDNKVKVQPDTHVWREEAPVNYLKELELITQAG
FRALLSAPWYLNRIITYGPDWKEFYMVEPLAFDGSPEQKA LVIGGEACMWGEYVDSTNLVPRLWPRAGAVAERLWSNSRVTDLEFALTRLTNFRC
ELLRRGVQAQPLNVGYCEQEFEQA.

MO-AB-07901W	Monoclonal	Cat (<i>Felis catus</i>)		WB, ELISA	MO07901W	Unconjugated; also available for Biotin; HRP; FITC and o 100 μg	
						ther labeled form.	g

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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Protein Refseq: The length of the protein is 529 amino acids long.

The sequence is show below: MAGCGLCFSLLLAAAFARQAQALWPWPQYIQTSDSHYAIFPYNFQFQYHVSSAAQPGCSVLDEAFQRYRDLLFGSSSWQPPEPTRKQHTP EKNSLVILVVLPGCDQLPSLESVENYTLVINDDHCFLLETWVGALRGLETFSQLIWRSPGEGTFINKTEIEDFPRFSSRGLLLDTSRHY LPLTSLDITLDMAYNKFNVFHWHLVDDSSFPYESTFPPELTKRGSYNPVTHVYTAQDVKEVIEYARLRGIRVLAEFDTPGHTLSWGPGF PGLLTPCYSGSRPSGTGFPVNPILNTTYEFMSTFFLEVSSVFPDFYLHLGGDEVDFTCWRSNPDIAFMKMKGFNDKFQLESFYIQTLLNIVSAYGKGYVVWQEVFDNKVKVPPDTIIQVWREEVPVNYLKELELITRAGLRALLSAPWYLNHITYGPDWRDLVVEPLEFEGGAQKKA LVIGGEACMWGEYVDSTNLVPRLWPRAAAVAERLWSNKSVTNLDLAFKRLTRFRCELLRRGVQAQPLNIGYCEQEFEQT.

MO-AB-08345Y	Monoclonal	Rabbit (<i>Oryctolagus cuniculus</i>)	WB, ELISA	MO08345Y	Unconjugated; also available for Biotin; HRP; FITC and o 100 µg ther labeled form.	g
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Protein Refseq: The length of the protein is 529 amino acids long. The sequence is show below: MAGSGLWLSLLAAAFAGRAAPVWPWPQYIQTSGRHYTLTPNSFQFRYHVSSAVQPGCAVLDAQFQRYRELLFGAGSWPRPSLSGKWHTS EKNMLVSVVLPGCDQFPTLESVENYTLTINDDQCLLVSES VWGALRGLETFSQLVWRSAGTFYINKTEIDDFPRFPHRGLLLDTSRHY LPLSSILDITLDMAYNKFNVFHWHLVDDPSFPYESTFPELTKRGSYNPVTHIYTAQDVKEVIEYARLRGIRVLAEFDTPGHTLSWGPGI PGLLTPCYSGAQPSGSFGFPVNPILNNTTYEFMSMFFLEVSSVFPDFYLHLGGDEVDFSCWKSNDIQDFMKKKGFSGDFKQLESFYIQTLL DIVSDYGRGYVVWQEVFDNKVKVRPDTIIQVWREETPVPMKELELITNASFRALLSAPWYLNRIISYGPDWKNFYTVEPLAFQGTPEQKA LVIGGEACMWGEYVDSTNLVPRLWPRAGAVAERLWSSELMTDTEFAFQRLSHFRCELLRRGVQAQPLNVGYCEQEFEPT.

MO-AB-13636R	Monoclonal	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO13636R	Unconjugated; also available for Biotin; HRP; FITC and o 100 µg ther labeled form.	g
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Protein Refseq: The length of the protein is 529 amino acids long.

The sequence is show below: MAGSTLRFSLLLAAAFAGRATALWPWPQYIQTSELRYTIFPQSFFQFQYHLSSAAQVGCSVLDEAFQRYRDLLFGSVAFRFPHPHIEKRHTS EKNSLVVLVVTGCDQFPSLGSVENYTLTINDEQSLLETWVGALRGLETFSQLIWRSPGEGTFYVNKTDIEDFPRFPHRGLLLDTSRHY LPLASILDITLDMAYNKFNVFHWHLVDDSSFPYESTFPPELTKKGSYNPATHIYTAQDVKEVIEYARLRGIRVLA.

MO-AB-15627Y	Monoclonal	Sheep (<i>Ovis aries</i>)	WB, ELISA	MO15627Y	Unconjugated; also available for Biotin; HRP; FITC and o 100 µg ther labeled form.	g
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Protein Refseq: The length of the protein is 529 amino acids long. The sequence is show below: MAGSTLRFSLLLAAAFAGRATALWPWPQYIQTSELRYTIFPHSFQFQYHLSSAAQVGCSVLDEAFQRYRDLLFGSAAFRFPHPHIEKRHTS EKNSLVVLVVTGCDQFPSLGSVENYTLTINDEQCLLETWVGALRGLETFSQLIWRSPGEGTFYVNKTDIEDFPRFPHRGLLLDTSRHY LPLSSILDITLDMAYNKFNVFHWHLVDDSSFPYESTFPDLTKKGSYNPATHIYTAQDVKEVIEYARLRGIRVLAEFDTPGHTLSWGPGV PGLLTPCYSGSHPSGTGFPVNPALNNTTYEFMSTFFLEISTVFPDFYLHLGGDEVDFTCWKSNDIAFMKKKGFDDFKKLESFYIQTLL DIVSAYGKGYVVWQEVFDNKVKVRPDTIIQVWREEIPVKYVKEMALVTSAGFRA

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
LLSAPWYLNHITYGPDWKEIYLVEPLAFEGSPEQKA LVIGGEACMWGEYVDSTNLVPRLWPRAGAVAERLWSNKMVSNLDFAFKRLAHFRCELL RRGVQAQPLSVGYCDMEFEQT.						
MO-AB-26311R	Monoclonal	Pig (<i>Sus scrofa</i>)	WB, ELISA	MO26311R	Unconjugated; also available for Biotin; HRP; FITC and o 100 µ ther labeled form.	g
Protein Refseq: The length of the protein is 529 amino acids long. The sequence is show below: MAASTLWFSLLLLAAASAGRATALWPWPQYIKTSDWSYITVPHTFQFQYHKSSAAQVGCSVLDEAFQRYRDLLFG SVTLHFRHRVEKWHIS EKNSLVVLVVTGCDQLPSLESVENYTLINDEQCFLSETVWGALRGLETFSQLIWKSPEGTFYINRTEIEDFPRFPHR GLLDTSRHY LPLASILDLDVMAYNKFNVFHWHLVDDSSFPYESFTFPDLTKKGSYNPSTHIYTARDVKEVIEYARLRGIRVLAEFDTPGHTQSW GPGV PGLLTPCYSGSQSGTFGPVNPTLNYTYEFMSTFFSEISSVFPDFYLHLGGDEVDFTCWKSNDIQNFMKQKGFKDFKKLESFYIQTLL GIVSGYGKGYVWQEVFDNKVKVRPDTIIQVWREEIPVKYMKEMELVTLAGFRALLSAPWYLNHITYGPDWKEVYMVEPLAFEGTPEQKA LVIGG EACMWGEYVDSTNLVPRLWPRAGAVAERLWSNKAVTNLDFAFKRLTHFRCELLRRGVQAQPLSVGYCDVEFEQT.						
MO-AB-31107W	Monoclonal	Dog (<i>Canis lupus familiari s</i>)	WB, ELISA	MO31107W	Unconjugated; also available for Biotin; HRP; FITC and o 100 µ ther labeled form.	g
Protein Refseq: The length of the protein is 529 amino acids long. The sequence is show below: MAASGLWLPLLLAAALAGRAAALWPWPQYIQTSEAHYAIFPHDFQFRYHSSAAQPGCSVLDEAFQRYRDLLFSS RAWYPPEPTRKLHAL EKNSLVVLVVTGCGNQLPSLESLENYTLINDDHCFLLSETVWGALRGLETFSQLVWRSPEGMFLINKTEIEDFPRFSHRG LLLDTSRHY LPLTTIMDTLDAMAYNKFNVFHWHLVDDSSFPYDSYTFPELTRKGSYNPATHIYTAQDVKMVIEYARLRGIRVLAEFDTPGHTLSWG PGV PGLLTPCYSGSHPSGTFGPVNPILNSTYEFMSSFFLEVSSVFPDFYLHLGGDEVDFTCWKSNDIQNFMKEKGFSGDFKQLESYYIQTLL NI VSAYDKGYVWQEVFDNKVKVRPDTIIQVWREEMPVHYVKEMELITKAGFRALLSAPWYLNHITYGPDWSEIYMVEPLEFKGSPQQKA LVIGGEA CMWGEYVDSTNLAPRLWPRAGAVAERLWSNKLVTNLDSAFKRLTQFRCELLRRGVQAQPLNVGYCEQEFEQT.						
MO-AB-33291H	Monoclonal	Nile tilapia (<i>Oreochromis ni loticus</i>)	WB, ELISA	MO33291C	Unconjugated; also available for Biotin; HRP; FITC and o 100 µ ther labeled form.	g
Protein Refseq: The length of the protein is 536 amino acids long. The sequence is show below: MSVVTSGRYTFPNYNLVFFIFLQLGLHSVEGVWPLPQSITSSPERYPLNPQAFYFTYGSQSAAQEGCSVLDEAFK RYFSLIFPDYSSGYG FLRFSDKPFVTQVSVGRNDCDSYPDEDSSEQYTLVSAGQAYLKAETVWGALRGLETFSQLVYQEDFGSYVYNKTEIE DFPRFQFRGIL LDTSRHYLPVQAILKTLDAFAFSKFNVFHWHIVDDPSFPYQSRTFPDLAKGAFHPMTHIYTQLDVRRVISYARMRGIRVLPEFD SPGHT QSWGKGQSDLLTPCYSGSTPSGTFGPVNPILPSTYKFMATLFKEVSSVFPDSYIHLGGDEVNFSCWKSNDVRAFMLKMGFGADFTKL EA YYMENIVNLTAALNRTSIVWQDVFYHERIPKDTVLIHWKGPVASYEAELELRAITKAGYRVLLAAPWYINHISYGQDWRNYYTVQPLNFSG TEEQ KKLVIIGGEVCMWGEYVDATNLTPRLWPRASAAAERLWSDEKQTSVDKAFPRLKDFRCELLRRGIQAEPLFVGHCCKHEYQGV.						

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
MO-AB-45025W	Monoclonal	Horse (<i>Equus caballus</i>)	WB, ELISA	MO45025W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

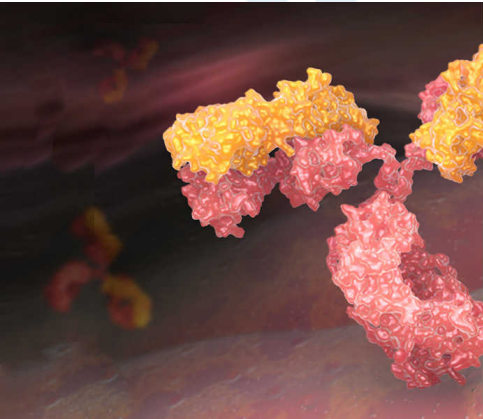
Protein Refseq: The length of the protein is 529 amino acids long.

The sequence is show below: MAGSALWFFLLAAALAGRATALWPWPQYIQTSDLRYPIFPHNFQFQYHVSSAAQPGCSVLDEAFQRYRDLLFGSDFWHRPDPAEKQHTL EINSLVIHVATPGCDQLPSLESAENYTLTINDEQNFLFSETVWGALRGLETFSQLVWRSPEGTFFINKTEIEDFPRFPHRG LLLDTSRHY LPLSSILNTLDVMAYSKFNVFHHMVDDPSFPYESTFPELTRKGSYNPATHIYTAQDVKEVIEYARLRGIRVLVEFDTPGHTQSWG PGA PGLLTPCYSGSQPSGTFGPVNPILNSTYEFMSTFFLEVSSVFPDFYLHLGGDEVDFSCWKSNDIQDFMKKKGFGNDFKKLESFYIQTLL DI VSAYGKGYVWQEVFDNKVKVRPDTIIQVWREEAPVSYMKELELVNASFRALLSAPWYLNHITYGPDWEKVYMEPLAFDGTPEQKA LVIGGEACMWGEYVDSTNLVPRLWPRAGAVAERLWSSKLVNLDFAKRLADFRCELLRRGIQAQPLNVGYCEQEFEET.

MO-AB-56696W	Monoclonal	Marmoset	WB, ELISA	MO56696W	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 529 amino acids long.

The sequence is show below: MASSGLWFSLLLAAAFVGRVTALWPWPQNIQTSDRSYVLYPNNFQFQYDVSSAAQPGCSVLDEAFRRYRDLLFGSGSWPRPYLTGKQHIL EKNVLVSVVTPGCNQLPTLESVENYTLISINDQCLLSKTVWGALRGLETFSQLVWKS AEGTFFINKTEIEDFPRFPHRGLLLDTSRHY LPLSSILDTLDVMAYNKLNVFHWHLVDDPSFPYESTFPELTRKGSYNPVTHIYTAQDVKEVIEYARLRGIRVLA EFDTPGHTLSWGPGI PGLLTPCYSGSEPSGTFGPVNPISLNKTYDFMSTFFLEVSSVFPDFYLHLGGDEVDFTCWKSNDIQDFMKKKGFGEDFKQLESFYIQTLL DI VSSYGKGYVWQEVFDNKVKVRPDTIIQVWREETPVNYTKELELVTKAGFRALLSAPWYLNRSYNPDWKEFYLV EPLAFEGTPEQKA LVIGGEACMWGEYVDNTNLVPRLWPRAGAVAERLWSNKLSDTLFAYERLSHFRCELLRRGVQAQPLNVGYCEQEFEQT.



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.