

AibGenesis™ Mouse Anti-App Antibody (CBMOAB-01114FYA)

Cat. No.: CBMOAB-01114FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO01114FYA
Specificity	This antibody binds to fruit fly App.
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	Golgi apparatus; Plasma membrane; Endoplasmic reticulum; 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 a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. In addition, two of the peptides are antimicrobial peptides, having been shown to have bacteriocidal and antifungal activities. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. (From NCBI)
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Product Overview

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

Protein Refseq

The length of the protein is 693 amino acids long.

The sequence is show below: MNLLCCCCCSNMAPNQRVTRKWELFAGRNFYCDGLLMSAPHTGVFYLT
CILITGTSALF FAFDCPFLADSINPAIPVGAVLYFFTMSSLLRRTFTDPGVI PRASNDEAAYIEKQIEVP NSLNS
PTYRPPPRRTKEVLVKGQTVKLKYCFTCKIFRPPRASHCSLCDNCVDRFDHHCWPVW GNCVGRKNRYRFFYFL
LVSLAFLAVFIFSCSVTHLVLLMKKEHEVFNVIKAAPFTVIVVFI CFFSIWSVIGLAGFHTYLTTS DQTTNEDLK
GSFSSKGGPRTQNPYSRGNICLNCCILCG PMTPSLIDRRGIATDEFIQMQHQSSPRHALSDVLSASHMV
TTSQPMMGGLGGGGIGGAG GGISIGGAELKPRFYDESNPSSSTLEGNGGAINGHGNHGNHGNFDHPPPSY
DLVQNGNSNS LAQLVDNEIPLVQMDIPAYTHQTATQARQYRHRHHKQRQICNGGTVSYENQLANASSEDE
LDDPDVVVVGSPPEVVA AVAAIASNKAREMRNRSGSYSNLFDADFEALVNSSLADNHVRG EGASSSGKPS
AGAALLAAAI SGKTENMYSNVLPVDNDTDPADSTLHVYSNIIDERKQQEQ ANNVLSSSTLLCDDLDDPVS
SCHVKRKS LGDAEQVKAERLRMLHDNTMIDTALDLD SLDGSSMGNNQSCLVKSGKPNATSVTTNVAI
V.

Sub Cat	Clonality	Species	Reactivity	Application	Clone	Conjugate	Size
CBMOAB-36084FYA	Monoclonal	Rhesus (<i>Macaca mulatta</i>)		WB, ELISA	MO360	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 19 amino acids long. The sequence is show below: MLPGLALLLLAAWTARALE.							
MO-AB-01096W	Monoclonal	Rhesus (<i>Macaca mulatta</i>)		WB, ELISA	MO010	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 769 amino acids long. The sequence is show below: MLPGLALLLLAAWTARALEVPTDGNAGLLAEPQIAMFCGRLNMHNMNVQNGKWSDSPSGTKTCIDTKEGILQYCGEYYPELQITNVVEANQ PVTIQNWCKRGRKQCKTHPHFVIPYRCLVGEFVSDALLVPDKCKFLHQERMDVCETHLHWHTVAKETCSEKSTNLHDY GMLLPCGIDKFR GVEFVCCPLAEESDNVDSADAEEDDSVWWGGADTDYADGSEDKVVEVAEEEEVAEVEEEEADDDDEDDGDEVEEEEAE EYPYEEATERTT SIATTTTTTESVEEVVREVCSEQAETGPCRAMISRWYFDVTEGKCAPFFYGGCGGNRNNFDTEEYCMAVCGSVMSQSLRKTTREPLTRDP VKLPPTTAASTPDAVDKYLETPGDENEHAHFQKAKERLEAKHRERMSQVMREWEEAERQAKNLPKADKKAVIQHFQEKVESLEQEAA NERQ QLVETHMARVEAMLNDRRRRLALENYITALQAVPPRPRHVFNMLKKYVRAEQKDRQHTLKHFEHVRMVDPKKAAQIRSQVMTHLRVIYER M NQSLSLLYNVPAAVEEIQDEVDELLQKEQNYSDVLANMISEPRISYGNDALMPSLTETKTTVELLPVNGEFLSDDLQPWHSFGADSVPA NTEN EPEPVDARPAADRGLTTRPGSGLTNIKTEEISEVKMDAEFRHDSGYEVHHQKLFFAEDVGSNKGAIIGLMVGGVVIATVIVITLV MLKKKQYTSIHH GVVEVDAAVTPEERHLSKMQQNGYENPTYKFFEQMQN.							
MO-AB-08377W	Monoclonal	Cat (<i>Felis catus</i>)		WB, ELISA	MO083	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Sub Cat	Clon ality	Species Reactivity	Application	Clone	Conjugate	Size
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Protein Refseq: The length of the protein is 735 amino acids long.

The sequence is show below: MFCGKLNMHMNVQNGKWESDPSGKTCIGTKEDILQYCQEVYPELQITNVVEANQPVTIQNWCKRGHKQCKTH
ARIVIPYRCLVGEFVSD ALLVPDKCKFLHQERMDVCETHLHWHTVAKETCSEKSTSLHDYGMLLPCGIDKFRGVEFVCCPLAEESDNIDSADAEE
DDSDVWWGGADA DYADGSEDKVVEVAEEEEEGADVEDEEAEDDEDGDEVEEEAEPEYEEATERTTSIATTTTTTTTSEVEEVREVCSEQAE
TGPCRAMIS RWYFDVTEGKCAPFFYGGCGGNRNNDTEEYCMVCGSVMSQSLLKTTQEPLPQDAVKLPTTAASTPDAVDKYLETGPDENEHA
HFQKAK ERLEAKHRERMSQVMREWEEAERQAKNLPKADKKAVIQHFQEKVESLEQEAAANERQQLVETHMARVEAMLNDRRLALENYITALQA
VPP RPRHVFNMLKKYVRAEQKDRQHTLKHFEHVRMVDPKKAAQIRSQVMTHLRVIYERMNQSLSLLYNPAVAEEIQDEVELLQKEQNYSD
VLAMISEPRISYGNDALMPSLTETKTTVELLPVNGEFLDDLPWHPFGVDSVPANTENEVEPVDARPAADRGLTTRPGSGLTNIKTEE ISEVKM
DAEFRHESGYEVHHQKLFFAEDVGSNKGAIIGLMVGGVVIATVIVITLVMLKKKQYTSIHHGVVEVDAAVTPEERHLSKMQQN GYENPTYKFFEQ
MQN.

MO-AB-290	Monoclonal	Dog (<i>Canis lupus familiaris</i>)	WB, ELISA	MO290	Unconjugated; also available for Biotin; HRP; FITC and other labeled form. µg
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Protein Refseq: The length of the protein is 770 amino acids long.

The sequence is show below: MLPALALVLLASWTARALEVPTDGNAGLLAEPQVAMLCGKLRMHMNVQNGKWESDPLGKTCIGSKEDILQYCQ
EVYPELQITNVVEANQ PVTIQNWCKKGRKQCKTHAHIVIPYRCLVGEFVSDALLVPDKCKFLHQERMDVCETHLHWHTVAKETCSEKSTNLHDY
GMLLPCGIDKFR GVEFVCCPLAEESDNIDSADAEEDDSDVWWGGADTDYADGSEDKVVEVAEEEEVADVEEEEAEDDEDDEDGDEVEEEAE
PYEEATERTT SIATTTTTTTTSEVEEVREVCSEQAETGPCRAMISRWYFDVTEGKCAPFFYGGCGGNRNNDTEEYCMVCGSVMSQSLLKTTQ
EPLPQD AVKLPTTAASTPDAVDKYLETGPDENEHAHFQKAKERLEAKHRERMSQVMREWEEAERQAKNLPKADKKAVIQHFQEKVESLEQEAA
NER QQLVETHMARVEAMLNDRRLALENYITALQAVPPRPRHVFNMLKKYVRAEQKDRQHTLKHFEHVRMVDPKKAAQIRSQVMTHLRVIYER
MNQSLSLLYNPAVAEEIQDEVELLQKEQNYSDVLAMISEPRISYGNDALMPSLTETKTTVELLPVNGEFLDDLPWHPFGVDSVP ANTEN
EVEPVDARPAADRGLTTRPGSGLTNIKTEEISEVKMDAEFRHDSGYEVHHQKLFFAEDVGSNKGAIIGLMVGGVVIATVIVITL VMLKKKQYTSIHH
GVVEVDAAVTPEERHLSKMQQNGYENPTYKFFEQMQN.

MO-AB-412	Monoclonal	Guinea pig (<i>Cavia porcellus</i>)	WB, ELISA	MO412	Unconjugated; also available for Biotin; HRP; FITC and other labeled form. µg
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Protein Refseq: The length of the protein is 770 amino acids long.

The sequence is show below: MLPSLALLLLTTWTARALEVPTDGNAGLLAEPQIAMFCGKLNMHMNVQNGKWEPDPSGKTCIGSKEGILQYCQ
EVYPELQITNVVEANQ PVTIQNWCKRSRKQCKTHPHFVPIPYRCLVGEFVSDALLVPDKCKFLHQERMDVCETHLHWHTVAKETCSEKSTNLHDY
GMLLPCGIDKFR GVEFVCCPLAEESDNIDSADAEEDDSDVWWGGADTDYADGSEDKVVEVAEEEEVADVEEEAADDEDVEDGDEVEEEAE
PYEEATEKTT SIATTTTTTTTSEVEEVREVCSEQAETGPCRSMISRWYFDVTEGKCAPFFYGGCGGNRNNDTEEYCMVCGSVMSQNLLKTS
GEPVSQG PVKLPTTAASTPDAVDKYLETGPDENEHAHFQKAKERLEAKHRERMSQVMREWEEAERQAKNLPKADKKAVIQHFQEKVESLEQEAA

Sub Cat	Clon ality	Species	Reactivity	Application	Clone	Conjugate	Siz e
ANER QQLVETHMARVEAMLNDRRLALENYITALQAVPPRPRHVFNMLKKYVRAEQKDRQHTLKHFEHVRMVDPKKAAQIRSQVMTHLRVIYER MNQSLSLLYNVPAAVEEIQDEVDLLQKEQNYSDDLANMISEPRISYGNDALMPSLTETKTTVELLPVNGEFLDDLQPWHPFGVDSVP ANTEN EVEPVDARPAADRGLTTRPGSGLTNIKTEEISEVKMDAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIATVIVITL VMLKKKQYTSIHH GVVEVDAAVTPEERHLSKMQQNGYENPTYKFFEQMQN.							
MO-AB-429	Monoclonal	Hamsters (<i>Cricetinae</i>)		WB, ELISA	MO429	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
38W					38W		
Protein Refseq: The length of the protein is 12 amino acids long. The sequence is show below: NPTYKFFEQMQN.							
MO-AB-436	Monoclonal	Horse (<i>Equus caballus</i>)		WB, ELISA	MO436	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
97W					97W		
Protein Refseq: The length of the protein is 12 amino acids long. The sequence is show below: NPTYKFFEQMQN.							
MO-AB-511	Monoclonal	Marmoset		WB, ELISA	MO511	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
16W					6W		
Protein Refseq: The length of the protein is 770 amino acids long. The sequence is show below: MLPGLALLLLAAWTARALEVPTDGNAGLLAEPQIAMFCGRLNMHMNVQNGKWESDPSGKTCTIDTKEGILQYQC EVYPELQITNVVEANQ PVTIQNWCKRDRKQCKTHPHIVIPYRCLVGEFVSDALLVPDKCKFLHQERMDVCETHLHWHTVAKETCSEKSTNLHDY GMLLPCGIDKFR GVEFVCCPLAEESDNVDSADAEEDDSVWVGADTDYADGSEDKVVEVTEEEVAEVEEEEADDEDEDGDEVEEEAE PYEEATERTT SIATTTTTTTSVEEVVREVCSEQAETGPCRAMISRWFYDVTGKCAPFFYGGCGGNRNNFDTEEYCMVCGSVMSQSLLKTTQ EPLTRE PVKLPTTAASTPDAVDKYLET PGDENEHAHFQKAKERLEAKHRERMSQVMREWEEAERQAKNLPKADKKAVIQHFQEKVESLEQEAA NER QQLVETHMARVEAMLNDRRLALENYITALQAVPPRPRHVFNMLKKYVRAEQKDRQHTLKHFEHVRMVDPKKAAQIRSQVMTHLRVIYER MNQSLSLLYNVPAAVEEIQDEVDLLQKEQNYSDDLANMISEPRISYGNDALMPSLTETKTTVELLPVNGEFLDDLQPWHSFGADSV ANTEN EVEPVDARPAADRGLTTRPGSGLTNIKTEEISEVKMDAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIATVIVITL VMLKKKQYTSIHH GVVEVDAAVTPEERHLSKMQQNGYENPTYKFFEQMQN.							
MO-AB-075	Monoclonal	Cattle (<i>Bos taurus</i>)		WB, ELISA	MO075	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
14R					14R		
Protein Refseq: The length of the protein is 695 amino acids long. The sequence is show below: MLPALALVLLAAWTARALEVPTDGNAGLLAEPQVAMFCGKLNHMHMNVQNGKWESDPSGKTCTIGTKEGILQYQC EVYPELQITNVVEANQ PVTIQNWCKRGRKQCKTHAHMVIPYRCLVGEFVSDALLVPDKCKFLHQERMDVCETHLHWHTVAKETCSEKSTNLHDY GMLLPCGIDKFR GVEFVCCPLAEESDNVDSADAEEDDSVWVGADTDYADGSEDKVIEVAEEEEVADVEEEEADDEDEDGEELE.							

Sub Cat	Clon ality	Species Reactivity	Application	Clone	Conjugate	Siz e
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RI ALENYITALQADPPRPRHVFNMLKKYVRAEQKDRQHTLKHFEHVRMVDPKKAAQIRSQVMTHLRVINERMNQSFSLLYKVPAAVEEIQDE VDE
LFQKEQNYSDDMVSNMVS DHRVSYGNDALMP SLSETKTTVELLPVDGEFNIEDLQPWHSFGVDSVPANTENEVEPVDARPAADRGLT TRPGSG
LTNIKTEEISEVKMDSEYRHDTAYEVHHQKL VFFAEVGSNKGAIIGLMVGGVVIATVIVITLVMLKKKQYTTIHG VVEVDAA VTPEERHLTKMQQN
GYENPTYKFFEQMQN.

MO-AB-241	Monoclonal	Rat (<i>Rattus norvegicus</i>)	WB, ELISA	MO241	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 19 amino acids long.

The sequence is show below: MLPSLALLLLAAWTVRALE.

MO-AB-000	Monoclonal	Elephant (<i>Loxodonta africana</i>)	WB, ELISA	MO000	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 12 amino acids long. The sequence is show below: NPTYKFFEQMQN.

MO-AB-001	Monoclonal	Chicken (<i>Gallus gallus</i>)	WB, ELISA	MO001	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 569 amino acids long. The sequence is show below: ALLVPDKCKLLHQERMDVCETHLHWHTVAK

ESCSEKSMNLHDYGMLLSCGIDKFRGVEFVCCPLAEESDNLDSADAEDDDSDVWWGGADA DYADGSDDKVVEEQPEEDEELTVVEDEDADDD
DDDDGDEIEETEEYEEATERTTSIATTTTTTTESVEEVVRVPTTAASTPDVVDKYLE TPGDENEHAHFQAKERLEAKHRERMSQVMREWEEA
ERQAKNLPKADKKA VIQHFQEKVESLEQEAANERQQLVETHMARVEAMLNDRRR IALENYITALQTVPPRPRHVFNMLKKYVRAEQKDRQHTLK
HFEHVRMVDPKKAVQIRSQVMTHLRVIYERMNQSLSFLYNVPAVAEEIQD EVDELLQKEQNYSDDLANMISEPRISYGNDALMPTLTETKTTVEL
LPVVGESLDDLQPWHPFGVDSVPANTENEVEPVDARPAADRGL TTRPGSGLTNVKTEEVSEVKMDAEFRHDSGYEVHHQKL VFFAEDVGSNK
GAIIGLMVGGVVIANVIVITLVMLKKKQYTSIHG VVEVDA AVTPERHLSKMQQNGYENPTYKFFEQMQN.

MO-AB-072	Monoclonal	Rabbit (<i>Oryctolagus cuniculus</i>)	WB, ELISA	MO072	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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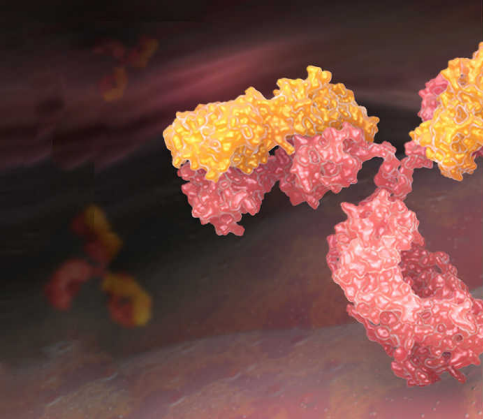
Protein Refseq: The length of the protein is 58 amino acids long. The sequence is show below: SEVKMDAEFRHDSGYEVHHQKL VFFAEDVG
SNKGAIIGLMVGGVVIATVIVITLVMLK.

MO-AB-142	Monoclonal	Sheep (<i>Ovis aries</i>)	WB, ELISA	MO142	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 770 amino acids long. The sequence is show below: MLPALALVLLAAWTARALEVPTDGNAGLLAE

PQVAMFCGKLNMHMNVQNGKWESDPSGKTCTIGTKEGILQYCEVYPELQITNVVEANQ PVTIQNWCKRGRKQCKTHAHMVIPYRCLVGEFVS
DALLVPDKCKFLHQERMDVCETHLHWHTVAKETCSEKSTNLHDYGMLLPCGIDKFR GVEFVCCPLAEESDNVDSADAEEEDSDVWWGGADTD
YADGSEDKAIELAE EEEVVDVEEEEADDEEDDEDGEELEEEAEPEYEEATERTT SIATTTTTTTESVEEVVREVCSEQAETGPCRAMISRWFYDV

Sub Cat	Clon ality	Species Reactivity	Application	Clone	Conjugate	Siz e
TEGKCAPFFYGGCGGNRNNFDTEEYCMVCGSVMSHSLKTTQEPLPQD PVKLPPTAASTPDAVDKYLETPGDENEHAHFQKAKERLEAKHRE RMSQVMREWEEAERQAKNLPKADKKAVIQHFQEKVESLEQEANER QQLVETHMARVEAMLNDRRRRLALENYITALQAVPPRPRHVFNMLKKY VRAEQKDRQHTLKHFEHVRMVDPKKAAQIRSQVMTHLRVIYER MNQSLSLLYNVPAAVEEQDEVDPELLQKEQNYSDDLANIISEPRISYGNDA MPSLTETKTTVELLPVNGEFLDDLQPWHPFGVDSVP ANTENEVEPVDARPAADRGLTTRPGSGLTNIKTEEISEVKMDAEFRHDSGYEVHHQK LVFFAEDVGSNKGAIIGLMVGGVVIATVIVITL VMLKKKQYTSIHGVEVDAAVTPEERHLSKMQQNGYENPTYKFFEQMQN.						
MO-DKB-0 0490W	Polyclonal	Human (<i>Homo sapiens</i>), Fruit fly (<i>Drosophila melanogaster</i>), Primate	WB, ELISA, IA, IF, IHC		Unconjugated	100 µg
MO-DKB-0 0491W	Polyclonal	Human (<i>Homo sapiens</i>), Mouse (<i>Mus musculus</i>), Dog (<i>Canis lupus familiaris</i>), Fruit fly (<i>Drosophila melanogaster</i>)	WB, ELISA, IA, IF, IHC, IHC-Fr		Unconjugated	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.