

AibGenesis™ Mouse Anti-Bbs4 Antibody (CBMOAB-02196FYA)

Cat. No.: CBMOAB-02196FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO02196FYA
Specificity	This antibody binds to fruit fly Bbs4.
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	Plasma Membrane; Cytoskeleton; 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 is a member of the Bardet-Biedl syndrome (BBS) gene family. Bardet-Biedl syndrome is an autosomal recessive disorder characterized by severe pigmentary retinopathy, obesity, polydactyly, renal malformation and cognitive disability. The proteins encoded by BBS gene family members are structurally diverse. The similar phenotypes exhibited by mutations in BBS gene family members are likely due to the protein's shared roles in cilia formation and function. Many BBS proteins localize to the basal bodies, ciliary axonemes, and pericentriolar regions of cells. BBS proteins may also be involved in intracellular trafficking via microtubule-related transport. The protein encoded by this gene has sequence similarity to O-linked N-acetylglucosamine (O-GlcNAc) transferases in plants and archaeobacteria and in human forms a multi-protein "BBSome"
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complex with seven other BBS proteins. Alternate splicing results in multiple transcript variants. (From NCB I)

Product Overview Mouse Anti-D. melanogaster Bbs4 Antibody is a mouse antibody against Bbs4. It can be used for Bbs4 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq The length of the protein is 486 amino acids long.
The sequence is show below: MYEPGTEQINCNGRLIELPTLEVVRPAPKMPDANIDWLLHIYFTRREFTRC
RRLIEREL NRHLNPEYLYFVQGLIDREEGNHIEALRHLQKSAELNPRNIETYKEIGRTLYIMGRFSQA LGVFR
EAEQRSSRQDHEIYHYLGELLYRAATTQSQKDVASQQQDEARTYFELAVQSGRKL ESYVRLAELYRKDKQ
YQKAIEILENCLHLPENSEVLIEISVLYLKINETQKAHDLAEV VSIERKCSPKGLLAFGAILQSRNDIDGALS
KYSQIANAEP EIAELWNNIGLCFFKKQKFI VAISLRKSVWLSPLNLYNLSLIYIASEQYASAFHTLAAAIN
LRKDNAECYMLLGLC LRLDDMENAFVALERASSMATGQQGAGRNPVLVNFALFCYETGRLALSTEQYN
RFMSQ AQDLLLPTEYKFQATKLKSLLRISNQNGILLDSADMGESDLGHNRA TELLPDELPLEVN AVVSQN.

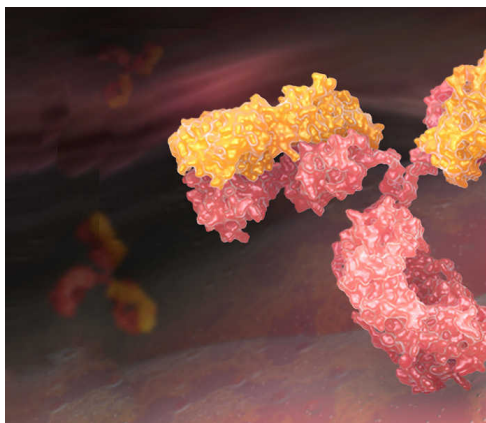
Sub Cat	Clonalit y	Species	Reactivity	Applicati on	Clone	Conjugate	Size
CBMOAB-36812 FYA	Monoclonal	Rhesus (<i>Macaca mulatta</i>)		WB, ELISA	MO36812F YA	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 519 amino acids long.
The sequence is show below: MAEERVATRTQFPASTESQKPQQKKAPEFPPILEKQNWLIHLHYIRKDY EACKAIIKEQLQETQGLCEYAIYVQALIFR
LEGNIQESLELF QTC AVLSPQSADNLKQVARSLFLLGKHKAAIEVYNEAAKLNQKDWEISHNLGVCYIYLKQFNKAQDQLHNALNLRHDLTYIML
GKIHLL EGDLDKAIEIYKKA VEFSPE NTELLTTLGLLYLQLGIYQKAFEHLGNALTYDPTNYKAILAAGSMMQTHGDFDVALTKYRVVACAVPESP PL
WNNIGMCFGKKKYVAAISCLKRANYLAPFDWKILYNLGLVHLMQYASAFHFLSAAINFQPKMGELYMLLAVALTNLEDIENAKRA YAEAVHLDK
CNPLVNLNYAVLLYNQGEKKNALAQYQEMEKKVNLKDNSSVEFDSEMVEMAQKLGAALQVGEALVWTKPVKDPKSKHRTT STSKPASFQQPL
GSNQALGQAMSSAAAYRTLPSGAGGTSQFTKPPSLPLEPEPAMESSPTETSEQIREK.

CBMOAB-67498 FYA	Monoclonal	Zebrafish (<i>Danio rerio</i>)		WB, ELISA	MO67498F YA	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 528 amino acids long.
The sequence is show below: MADDAMRTDVQLPVATELKKPRLKKAPELP KRNWLIHLHYIRKDYETCKAIVKEQLHETQGMCEYAVYVQALI
MRLEGKIQESLELF QSCAIINPTSSDNLKQVARSLFLLGKHKAAIEVYNEAARLNQKDWEISHNLGVCYIYTKDFRSAEEQLNLALQLNKHDLTYM
MLGKIHLL QGDTEKAIDVYKSAVEFSPE NTELLTTLGLLYMQLGKYQKAFEHLGNALTYDPNNFKAILAAGSMMQTHGDYDVAMNKYRVAAYAVPE
SP PLWNNIGMCFGKKKYVAAISCLKRANYLSPFDWKILYNLGLVHLMQQFASAFHFLSAAINLRPRMSELYMLLAVALTNLDDAENARRS YEQA
VQIDESSPLVNLNFAVFLYNQGDKKAALLQYQEMERKVNTQLENSSENTEFDPELVEMAQKLGGALQAGENLYWSKPGKDGKTSQRS SSSKPSG
SQQPLGTNQUALGQAMSSAAGFSKSMQISAEADVSRAPSP PAGDPEDEVEDAAGPAKPKDKKGRAKPVAE.

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
MO-AB-07984R	Monoclonal	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO07984R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 519 amino acids long. The sequence is show below: MAEEKLSARTQLPVS AESQKPVLKKAPEFP ILEKQNWLIHLHYIQKDYEACKAVIKEQLQETHGLCEYAIYVQALIFR LEGNIQESLRLF QMCAFLSPQCADNLKQVARSLFLLGKHKAAIEVYNEAAKLNQKDWEICHNLGVCYIYLKQFDKAQDQLHNALHLNRHDLTYIML GKIFLL KGDLDKAIEIYKKA VEFSPENTELLTTLGLLYLQLGIYQKAFEHLGNTLT YDPTNYKAILAAGSMMQTHGDFDVA.						
MO-AB-11631W	Monoclonal	Chimpanzee (<i>Pan troglodytes</i>)	WB, ELISA	MO11631W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 519 amino acids long. The sequence is show below: MAEERVATRTQFPVSTESQKPRQKKAPEFP ILEKQNWLIHLHYIRKDY EACKAVIKEQLQETQGLCEYAIYVQALIF RLEGNIQESLELF QTCAVLSPQSADNLKQVARSLFLLGKHKAAIEVYNEAAKLNQKDWEISHNLGVCYIYLKQFNKAQDQLHNALNLRHDLTYIM LGKIHL EGDLDKAIEIYKKA VEFSPENTELLTTLGLLYLQLGIYQKAFEHLGNALTYDPTNYKAILAAGSMMQTHGDFDVALTKYRVVACAVSENP PLWNNIGMCFFGKKKYVAAISCLKRANYLAPFDWKILYNLGLVHMTMQQYASAFHFLSAAINFQPKMGELYMLLAVALTNLEDIENAKRA YAEAVHL DKCNPLVNLNYAVLLYNQGEKKNALAQYQEMEKKVSLKDNSSLEFDSEMVEMAQKLGAALQVGEALVWTKPVKDPKSKHQTT STSKPASFQQ PLGSNQALGQAMSSAAAYRTLPSGAGGTSQFTKPPSLPEPEPAVESSPTETSEQIREK.						
MO-AB-51763W	Monoclonal	Marmoset	WB, ELISA	MO51763W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 518 amino acids long. The sequence is show below: MAEERLETRTQFPASTESQKPRQKKAPEFP ILEKQNWLIHLHYIRKDY EACKAVIKEQLQETQGLCEYAIYVQALIF RLEGNIQESLELF QTCAVLSPQSADNLKQVARSLFLLGKHKAAIEVYNEAAKLNQKDWEISHNLGVCYIYLKQFNKAQDQLHNALNLRHDLTYIM LGKIHL EGDLDKAIEIYKKA VEFSPENTELLTTLGLLYLQLGIYQKAFEHLGNALTYDPTNYKAILAAGSMMQTHGDFDVALTKYRVVAYAVPESP P LWNIGMCFFGKKKYVAAISCLKRANYLAPFDWKILYNLGLVHMTMQQYASAFHFLSAAINFQPKMGELYMLLAVALTNLEDIENAKRA YAEAVHLD KCNPLVNLNYAVLLYNQGEKRSALAQYQEMEKKVNLKDNSSLEFDSEMVEMAQKLGTALQVGEALVWTKPVKDRKSKHQTT SASKPASFQQPL GSNQALGQAMSSAAAYRTLPSGAGGTSQFTKPPSLPEPEPAVYSSPSETSEQIEK.						



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.