

AibGenesis™ Mouse Anti-ITGA2B Antibody (CBMOAB-45621FYA)

Cat. No.: CBMOAB-45621FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO45621FYA
Specificity	This antibody binds to Rhesus ITGA2B.
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; Extracellular region or secreted; 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 member of the integrin alpha chain family of proteins. The encoded preproprotein is proteolytically processed to generate light and heavy chains that associate through disulfide linkages to form a subunit of the alpha-IIb/beta-3 integrin cell adhesion receptor. This receptor plays a crucial role in the blood coagulation system, by mediating platelet aggregation. Mutations in this gene are associated with platelet -type bleeding disorders, which are characterized by a failure of platelet aggregation, including Glanzmann thrombasthenia. (From NCBI)
Product Overview	Mouse Anti-Rhesus ITGA2B Antibody is a mouse antibody against ITGA2B. It can be used for ITGA2B detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 1045 amino acids long.

The sequence is show below: MARALCPLQALWLEWVLLLLGPCAAPPAWALNLDPVHLTFYAGPNGSHFG
FSLDFHKDS HGRVAIVVGAPRTLGPSQEETGSVFLCPWRAEGGQCPSLLFDLRDETRNVGSQTLQTFKA
RQGLGASVSWSDVIVACAPWQHWNVLEKTEEAETKPVGSCFLAQPESGRRAEYSPCRGN TLSRIYVEN
NFSSDKRYCEAGFSSVVTQAGELVLGAPGGYYFLGLLAQAPIADIFSSYRP GILLWHVSSQSLSFDSSNPE
YFDGYWGYSAVAGEFDGDLNTRNPLRAGYVVGAPTWSWT LGAVEILGSYFQRLHRLHGEQMASYFGHS
VAVTDVNGDGRHDLLVGAPLYMESRADRKLA EVGRVYFLQPRGPHTLGAPSLLLTGTQLYGRFGSAIAPL
GDLDQDGYNDIAVAAPYGGP SGRGQVLVFLGQSEGLSSRPSQVLDSPFPTGSAFGFSLRGAVDIDDNGYP
DLIVGAYGAN QVAVYRAQPVKASVQLLVQDSLNPVAVKSCVLPQTKTPVSCFKIQMCVGATGHNIPQKLS L
NAELQLDRQKPRQGRRVLLLSQAGATTLNLDLGGKHSPICHTTMAFLRDEAEFRDKLS PIVLSLNVSLPP
TEAGMAPAVVLHGDTHVQEQRIVLDCGEDDVCVPQLQLTASVTGSPL LVGADNVLELQMDTANEGEGAY
EAELAVHLPQGAHYMRARSNVEGFERLICNQQKENETR VVLCELGNPMKKNTQIGIAMLVSVGNLEEAGE
SVSFQLQIRSKNSQNPNSKIVLLDVPVR AEAQVELRGNSFPASLVAAEEGDREQNSLDSRGPKVEHTYEL
HNNPGPTVNGHLHSIHL PGQSQHSDDLILDIQPGGLQCFQPQPVNPLKVDWGLPTPSPSPVHPAHHKR
DRRQIFL PEPEQPSRLQDPVLVSCDSAPCTVVQCCLQEMARGQRAMVTVLAFLWLP SLHQRLDQFV LQ
SQAWFNVSSLPYAVPPLSLPRGEAQVRTQLLRALEREAPIWWVLVGVLGLLLLLTL VLAMWKVGFFKRN
PPLEEDDEEGE.

Sub Cat	Clonal ity	Species	Reactivity	Applica tion	Clone	Conjugate	Size
CBMOAB-00	Monocl	Dog (<i>Canis lupus familiaris</i>), Cat (<i>Felis catus</i>), Mink			F00155F	Unconjugated; also available for Biotin; HR	100
155FYA	onal	(<i>Martes</i>), Ferret (<i>Mustela putorius furo</i>)		FC	YA	P; FITC and other labeled form.	µg
CBMOAB-81	Monocl	Zebrafish (<i>Danio rerio</i>)			WB, ELISMO8122	Unconjugated; also available for Biotin; HR	100
228FYA	onal			A	8FYA	P; FITC and other labeled form.	µg

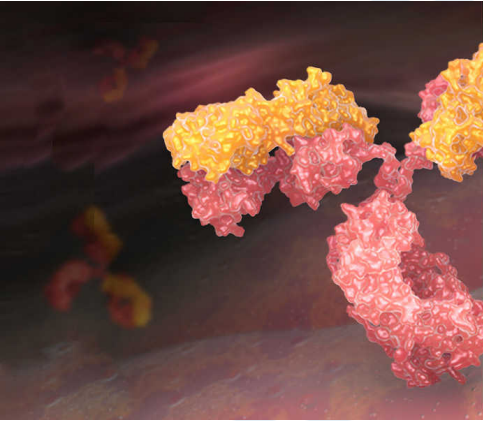
Protein Refseq: The length of the protein is 1037 amino acids long.

The sequence is show below: MDKKLEFSLFLSILIFTNHIRGFNLDLNQYTVFSGPEDSYFGFSVDFYQSSSKSVSVVVGAPRANTNQSGVSHG
GSVFMCPWATRGQSC QTLNFDQKGDENITFGNMLLMAHKSQWLGA SVRTYNNYILACAPLFHWNVLVDQEEAMNTPVGN CQLLN MKTGELA
NYAPCREEYVYAI YTRGYPDRRYCEAGFTTDITKNGRVVLGAPGGYYFQQQIITASLVNIMSSGSSFTPKHSMNGETKTPQRRDYDLYGYSVA
AGKFNNDN IPDYVVGVPNDLHTAGSVKIINGATVPLQIMKAISGTQIASYFGHSAVTDINRDGWDDILIGAPLFMEQLSTQKFREVGVVYVLQRN
D FSFASRPNQILAGTYAYGRFGSAIAPLGDLDHDFNDVAVGAPGSDGGKVFYILGKSGGLSTQYVQVIESPFRSLIDPPMFGFSIRGGT DIDDN
GYPDLIIGAWGASKVVYTRAQAVVRTQARLSFFPDLLNPEDKFCQLQSGTYITCFTIMACIRVSGHRIPQQIVFNTELQLDRMK QSMARRTLLLD
SNQPYTNFQISVDRNSRDVCRNFTAYLLPEFKDKLSPIFISVNYSLADSQNAVLHGQSVAVGQTRIILNCGPDNVCIPD LQLKAVTSTEPILIGDENP
ALLIIEAENQGEGAYETELISPPANTHYQGVLSNHEDFSALVCGQKKENGSVIVVCDLGNPLEAGQQLKA GLYFSMGDLEQVENHITFQMQIRSK
NSQNSDSNLVQLQVNVTAVASLEMRGVSSPVCVLPISKWESKDYPEDLDEVGPLIEHVYELRNR GPSPVNVKLTLEFPVSQNESYLLYVFANAS
EELISCQTDYANIDPRRLVKQUESTNITVAEVHHFNKRDLSQKTENEQQWQHTVHVCSSS EQCVVFDCVAAGLQRDERAIVRMSRLWVQTFLK
RPYVNYVLHSTAHYEVMNVPSKIQPDVLTGKAETHTKIIWRSPDGQEEVPLWWIV VSIVAGLLLLLALSTIFWKMGFFKRNRPSPSDNDDDDDDDD
VTQQLNGD.

Sub Cat	Clonal ity	Species Reactivity	Applica tion	Clone	Conjugate	Size
MO-AB-1431	Monocl	Cattle (<i>Bos taurus</i>)	WB, ELISMO1431	Unconjugated; also available for Biotin; HR	100	
6R	onal		A	6R	P; FITC and other labeled form.	µg

Protein Refseq: The length of the protein is 1034 amino acids long.

The sequence is show below: MARALCLLRALWLEWVQLLLGPGAMPPTWALNLDVQFTVYTGPNGSHFGFSLDFYKNSNGSVYVVVGAPRT
 LGHSEEEETGGVFLCPWK AEGGQCISLPFDLYDETRSIGTQTFQTFKAGQQLGASVVSWRDSIVACAPWQHWNVLDRNEEEEAQKTPVGGCFVA
 QLQNGDRTEYSPCRD NKMSQFYERNHFRDDRRYCEAGFSSVVTQAGELVLGAPGGYYFVGLLARAPIADIISSYRPSTLLWHVPTQFTYD.



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.