ITGA2B Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	ITGA2B, Monoclonal Antibody
Full Product Name	Mouse Monoclonal Antibody to ITGA2B
Product Gene Name	anti-ITGA2B antibody
Product Synonym Names	GT; GTA; CD41; GP2B; HPA3; CD41B; GPIIb; BDPLT2
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2E10C9
Host	Mouse
Molecular Weight	113.4kDa
OMIM	187800
3D Structure	ModBase 3D Structure for P08514
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ITGA2B antibody	Western Blot (WB), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS)
Application Notes for anti-ITGA2B antibody	Western blot using Recombinant protein Western blot using Transfection expressed protein
Related Product Information for anti-ITGA2B antibody	MBS8527767 is an antibody targeting ITGA2B. Also known as Mouse Monoclonal Antibody to ITGA2B. Host: Mouse.
Other Notes	Small volumes of anti-ITGA2B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ITGA2B. It may not necessarily be applicable to this product.

NCBI GI #	88758615
NCBI GeneID	3674
NCBI Accession #	NP_000410.2
UniProt Primary Accession #	P08514
UniProt Secondary Accession #	O95366; Q14443; Q17R67; B2RCY8
UniProt Related Accession #	P08514
GenBank Nucleotide #	NM_000419.4
NCBI Official Full Name	integrin alpha-IIb preproprotein
NCBI Official Synonym Full Names	integrin subunit alpha 2b
NCBI Official Symbol	ITGA2B

NCBI Official Synonym Symbols	GT; GTA; CD41; GP2B; HPA3; CD41B; GPIIb; BDPLT2; BDPLT16; PPP1R93
UniProt Protein Name	Integrin alpha-IIb
UniProt Synonym Protein Names	GPalpha IIb; GPIIb
Protein Family	Integrin
UniProt Gene Name	ITGA2B
UniProt Synonym Gene Names	GP2B; ITGAB; GPIIb
NCBI Protein Information	integrin alpha-IIb
NCBI Summary for ITGA2B	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. [provided by RefSeq, Jan 2016]
UniProt Comments for ITGA2B	Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. It recognizes the sequence R-G-D in a wide array of ligands. It recognizes the sequence H-H-L-G-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin alpha-IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial cell surface.
Research Articles on ITGA2B	**1.** this study shows that in the Caucasian population the HPA-3 system confers susceptibility to acute cellular rejection after liver transplantation
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