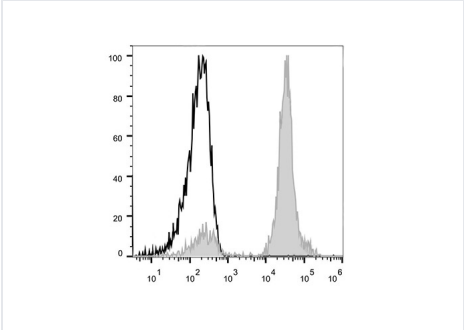
CD61 Antibody – Mouse

PRODUCT OVERVIEW

Product Name	CD61, Antibody
Full Product Name	Fluor 700 Anti-Human CD61 Antibody [VI-PL2]
Product Gene Name	anti-CD61 antibody
Product Synonym Names	GP3A; GPIIIa; ITGB3; Integrin beta-3
Isotype	IgG1, kappa
Clone Number	VI-PL2
Host	Mouse
Species Reactivity	Human
Preparation and Storage	This product can be stored at 2-8 degree C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Matching Pairs	Antibody: CD61 Clone #VI-PL2 (MBS2585533) Isotype Control: IgG1, kappa Clone #MOPC-21 (MBS2579320)
Molecular Weight	87,058 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (45331208..45390077). Location: 17q21.32
OMIM	173470
3D Structure	ModBase 3D Structure for P05106
Conjugation	Fluor700
Product Categories/Family for anti-CD61 antibody	Antibodies and Reagents; Primary Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD61 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD61 antibody	MBS2585533 is an antibody targeting CD61. Also known as Fluor 700 Anti-Human CD61 Antibody [VI-PL2]. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-CD61 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.



Flow Cytometry (FC/FACS) of anti-CD61 antibody
Staining of normal human peripheral blood cells with Fluor® 700 Anti-Human CD61 Antibody[VI-PL2](filled gray histogram) or Fluor® 700 Mouse IgG1, ? Isotype Control(empty black histogram).Cells in the platelets gate were used for analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD61. It may not necessarily be applicable to this product.

NCBI GI #	3690
NCBI GeneID	3690
NCBI Accession #	NP_000203.2
UniProt Primary Accession #	P05106
UniProt Secondary Accession #	O15495; Q12806; Q13413; Q14648; Q16499; A0PJW2; D3DXJ8
UniProt Related Accession #	P05106
GenBank Nucleotide #	NM_000212.2
NCBI Official Full Name	integrin beta-3
NCBI Official Synonym Full Names	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)
NCBI Official Symbol	ITGB3
NCBI Official Synonym Symbols	GT; CD61; GP3A; BDPLT2; GPIIIa; BDPLT16
UniProt Protein Name	Integrin beta-3
UniProt Synonym Protein Names	Platelet membrane glycoprotein IIIa
Protein Family	Integrin
UniProt Gene Name	ITGB3
UniProt Synonym Gene Names	GP3A; GPIIIa
UniProt Entry Name	ITB3_HUMAN
NCBI Protein Information	integrin beta-3; platelet membrane glycoprotein IIIa
NCBI Summary for CD61	The ITGB3 protein product is the integrin beta chain beta 3. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. Integrin beta 3 is found along with the alpha IIb chain in platelets. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. [provided by RefSeq, Jul 2008]

UniProt Comments for CD61	ITGB3: integrin alpha-V/beta-3 is a receptor for cytotactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor. Integrin alpha-IIB/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. Integrins alpha-IIB/beta-3 and alpha-V/beta-3 recognize the sequence R-G-D in a wide array of ligands. Integrin alpha-IIB/beta-3 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 surface. Protein type: Membrane protein, integral; Motility/polarity/chemotaxis; Cell adhesion Chromosomal Location of Human Ortholog: 17q21.32 Cellular Component: filopodium membrane; platelet alpha granule membrane; focal adhesion; cell surface; microvillus membrane; integral to plasma membrane; plasma membrane; melanosome; integrin complex; nucleus; receptor complex Molecular Function: identical protein binding; protein binding; protease binding; extracellular matrix binding; vascular endothelial growth factor receptor 2 binding; fibronectin binding; platelet-derived growth factor receptor binding; protein disulfide isomerase activity; cell adhesion molecule binding; receptor activity Biological Process: negative regulation of lipid transport; axon guidance; entry of virus into host cell; extracellular matrix organization and biogenesis; protein folding; wound healing; cell-matrix adhesion; smooth muscle cell migration; mesodermal cell differentiation; negative chemotaxis; positive regulation of vascular endothelial growth factor receptor signaling pathway; platelet degranulation; cell-substrate junction assembly; cell growth; cell adhesion; integrin-mediated signaling pathway; platelet activation; regulation of bone resorption; cell migration; negative regulation of lipoprotein metabolic process; angiogenesis involved in wound healing; cell-substrate adhesion; heterotypic cell-cell adhesion; positive regulation of peptidyl-tyrosine phosphorylation; negative regulation of low-density lipoprotein receptor biosynthetic process; activation of protein kinase activity; positive regulation of endothelial cell proliferation; positive regulation of protein amino acid phosphorylation; tube development; blood coagulation; vascular endothelial growth factor receptor signaling pathway; leukocyte migration Disease: Myocardial Infarction, Susceptibility To; Glanzmann Thrombasthenia; Bleeding Disorder, Platelet-type, 16
Research Articles on CD61	**1.** RGD peptide plays an important role in the modulation of cell motility and in the perturbation of cell attachment affecting the malignant potential of breast cancer cells via binding to integrin alphavbeta3.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-antibody/cd61/2585533