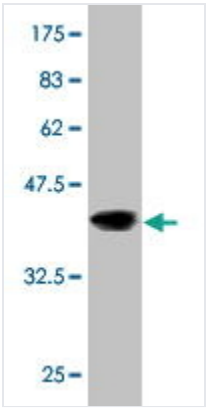
ITGA6 Antibody – Mouse Monoclonal

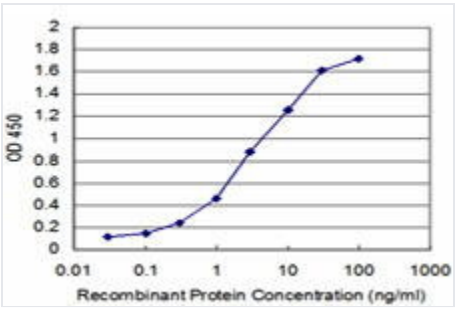
PRODUCT OVERVIEW

Product Name	ITGA6, Monoclonal Antibody
Full Product Name	ITGA6 (Integrin alpha-6, VLA-6, CD49 Antigen-like Family Member F, CD49f, DKFZp686J01244, FLJ18737) (AP)
Product Gene Name	anti-ITGA6 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4C1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ITGA6.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	122,358 Da
OMIM	147556
3D Structure	ModBase 3D Structure for P23229
Immunogen	Partial recombinant corresponding to aa24-133 from human ITGA6 (NP_000201) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	FNLDTREDNVIRKYGDPGSLFGFSLAMHWQLQPEDKRLLLVGAPRGEALPLQRANRTGGLYSCDITARGPCTRIEFDNDADPTSESKEDQWMGVTVQSC
Conjugate	AP
Product Categories/Family for anti-ITGA6 antibody	Antibodies; Integrin
Applications Tested/Suitable for anti-ITGA6 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-ITGA6 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ITGA6 antibody	Integrins are a family of heterodimeric membrane glycoproteins consisting on non-covalently associated alpha and beta subunits. In general, integrins f receptors for extracellular matrix proteins.

Other Notes	Small volumes of anti-ITGA6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess 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 apply.
Searchable Terms for ITGA6 purchase	MBS6131916 is an antibody targeting ITGA6. Also known as ITGA6 (Integrin alpha-6, VLA-6, CD49 Antigen-like Family Member F, CD49f, DKFZp686J FLJ18737) (AP). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-ITGA6 antibody
Western Blot detection against Immunogen (37.84kD).



Testing Data of anti-ITGA6 antibody
Detection limit for recombinant GST tagged ITGA6 is approximately 0.1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ITGA6. It may not necessarily be applicable to this product.

NCBI GI #	119395742
NCBI GeneID	3655
NCBI Accession #	NP_000201
UniProt Primary Accession #	P23229
UniProt Secondary Accession #	Q08443; Q0MRC7; Q14646; Q16508; Q53RX7; Q59HB7; B2RMU9; B4DG69; B4DKB8; C4AM96; G5E9H1
UniProt Related Accession #	P23229
GenBank Nucleotide #	NM_000210
NCBI Official Full Name	integrin alpha-6 isoform b
NCBI Official Synonym Full Names	integrin, alpha 6
NCBI Official Symbol	ITGA6
NCBI Official Synonym Symbols	CD49f; VLA-6; ITGA6B
UniProt Protein Name	Integrin alpha-6
UniProt Synonym Protein Names	CD49 antigen-like family member F; VLA-6
Protein Family	Integrin
UniProt Gene Name	ITGA6
UniProt Entry Name	ITA6_HUMAN
NCBI Protein Information	integrin alpha-6; CD49 antigen-like family member F; integrin alpha6B

UniProt Comments for ITGA6	ITGA6: Integrin alpha-6/beta-1 is a receptor for laminin on platelets. Integrin alpha-6/beta-4 is a receptor for laminin in epithelial cells and it plays a critical structural role in the hemidesmosome. Heterodimer of an alpha and a beta subunit. The alpha subunit is composed of an heavy and a light chain linked by a disulfide bond. Alpha-6 associates with either beta-1 or beta-4. Interacts with HPS5. Interacts with RAB21. Integrin alpha-6/beta-4 is predominantly expressed by epithelia. Isoforms containing segment X1 are ubiquitously expressed. Isoforms containing segment X1X2 are expressed in heart, kidney, placenta, colon, duodenum, myoblasts and myotubes, and in a limited number of cell lines; they are always coexpressed with the ubiquitous isoform containing segment X1. In some tissues (e.g. Salivary gland), isoforms containing cytoplasmic segment A and isoforms containing segment B are detected while in others, only isoforms containing one cytoplasmic segment are found (segment A in epidermis and segment B in kidney). Belongs to the integrin alpha chain family. 8 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Receptor, misc.; Membrane protein, integral; Cell adhesion Chromosomal Location of Human Ortholog: 2q31.1 Cellular Component: cell surface; cell-cell adherens junction; focal adhesion; hemidesmosome; plasma membrane; basal plasma membrane; basement membrane; filopodium; external side of plasma membrane Molecular Function: integrin binding; protein binding; metal ion binding; laminin binding Biological Process: integrin-mediated signaling pathway; skin development; extracellular matrix organization and biogenesis; filopodium formation; positive regulation of apoptosis; cell-matrix adhesion; cell-substrate adhesion; cell-cell adhesion; hemidesmosome assembly; gut development; cellular response to extracellular stimulus; brown fat cell differentiation; positive regulation of cell-cell adhesion; cell-substrate junction assembly; cell adhesion mediated by integrin; positive regulation of transcription from RNA polymerase II promoter; blood coagulation; leukocyte migration; positive regulation of phosphorylation Disease: Epidermolysis Bullosa Junctionalis With Pyloric Atresia
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/monoclonal-human-antibody/itga6/6131916