

Rat anti-Mouse CD41 Monoclonal Antibody | anti-CD41 antibody

Anti-Ms CD41 Purified Low Endotoxin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128896	Rat	Mouse	Functional Assay, ELISA, Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD41; Monoclonal Antibody; Anti-Ms CD41 Purified Low Endotoxin; integrin subunit alpha 2b; Platelet GPIIb; Integrin alpha-IIb; GPalpha IIb; GPIIb; anti-CD41 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	MWReg30
Specificity	The rat monoclonal antibody MWReg30 recognizes an extracellular epitope of CD41 (GPIIb), a transmembrane glycoprotein (integrin family) composed of two chains GPIIb alpha (heavy chain; 120 kDa) and GPIIb beta (light chain; 23 kDa). CD41 is mainly expressed on platelets and megakaryocytes.
Purity/Purification	Purified by Protein-G Affinity Chromatography
Form/Format	Low endotoxin azide free phosphate buffered saline (PBS) solution, 0.2 um filter sterilized. Endotoxin level is less than 0.01 EU/ug of the protein, as determined by the LAL test.
Concentration	1 mg/ml (varies by lot)
Sequence Length	1033
Applicable Applications for anti-CD41 antibody	FA (Functional Assay), ELISA, IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	Murine platelets
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-CD41 antibody	CD41 (platelet glycoprotein IIb) is composed of two subunits (120 kDa a, alpha and 23 kDa b, beta) that interact with CD61 in the presence of calcium to form a functional adhesive protein receptor. Upon blood vessel damage, this receptor binds to a variety of proteins including von Willebrand factor, fibrinogen, fibronectin and vitronectin. CD41 is mainly expressed on megakaryocyte-platelet lineage, but generally belongs to the antigens that are expressed during early stages of hematopoietic differentiation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	159110663
NCBI GeneID	16399
NCBI Accession #	NP_034705.2
NCBI GenBank Nucleotide #	NP_034705.2

UniProt Accession #	Q9QUM0
NCBI Official Full Name	integrin alpha-IIb
NCBI Official Synonym Full Names	integrin alpha 2b
NCBI Official Symbol	Itga2b
NCBI Official Synonym Symbols	CD41; CD41B; GpIIb; AI172977; alphaIIb
NCBI Protein Information	integrin alpha-IIb
UniProt Protein Name	Integrin alpha-IIb
UniProt Gene Name	Itga2b
UniProt Entry Name	ITA2B_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd41-antibody-clone-mwreg30-functional-assay-immunohistochemistry-immunoprecipitation-flow-cytometry-elisa/128896>