

Mouse anti-Human CD42b Monoclonal Antibody | anti-CD42b antibody

Anti-Hu CD42b Purified Low Endotoxin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128412	Mouse	Human	ELISA, Immunocytochemistry, Western Blot, Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD42b; Monoclonal Antibody; Anti-Hu CD42b Purified Low Endotoxin; glycoprotein Ib platelet subunit alpha; BSS; GP1B; VWDP; CD42B; GPIbA; BDPLT1; BDPLT3; DBPLT3; GPIbalpha; anti-CD42b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	AK2
Specificity	The mouse monoclonal antibody AK2 recognizes an extracellular epitope of CD42b (GPIb alpha), a 135-145 kDa membrane glycoprotein expressed on platelets and megakaryocytes. CD42b and CD42c (GPIb beta) are composed in a disulfide linked heterodimer (CD42b/c; 160 kDa); CD42b/c forms a noncovalent complex with CD42a and CD42d.
Purity/Purification	Purified by Protein-A 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	652
Applicable Applications for anti-CD42b antibody	ELISA, ICC (Immunocytochemistry), WB (Western Blot), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	Human platelets
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-CD42b antibody	CD42b (GPIb alpha) composes together with GPIb beta, GPIX and GPV the GPIb-IX-V receptor complex critical in the process of platelet-rich thrombus formation by tethering the platelet to a thrombogenic surface. CD42b binds to von Willebrand factor (VWF) exposed at a site of vascular injury, as well as to thrombin, coagulation factors XI and XII, high molecular weight kininogen, TSP-1, integrin Mac-1 and P-selectin. The extracellular domain of CD42b by its interactions also contributes to metastasis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	613503880
NCBI GeneID	2811
UniProt Accession #	P07359

NCBI Official Full Name	Platelet glycoprotein Ib alpha chain
NCBI Official Synonym Full Names	glycoprotein Ib platelet subunit alpha
NCBI Official Symbol	GP1BA
NCBI Official Synonym Symbols	BSS; GP1B; VWDP; CD42B; GPIbA; BDPLT1; BDPLT3; DBPLT3; GPIbalpha; CD42b-alpha
NCBI Protein Information	platelet glycoprotein Ib alpha chain
UniProt Protein Name	Platelet glycoprotein Ib alpha chain
UniProt Gene Name	GP1BA
UniProt Synonym Gene Names	GP-Ib alpha; GPIb-alpha; GPIbA; Glycoprotein Ibalpha
UniProt Entry Name	GP1BA_HUMAN

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/cd42b-antibody-clone-ak2-immunocytochemistry-western-blot-immunoprecipitation-flow-cytometry-elisa/128412>