Mouse anti-Human CD41/CD61 Monoclonal Antibody | anti-CD41/CD61 antibody

Anti-Hu CD41/CD61 (PAC-1 epitope) PerCP

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129165	**Mouse**	**Human**	**Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD41/CD61; Monoclonal Antibody; Anti-Hu CD41/CD61 (PAC-1 epitope) PerCP; platelet GPIIb; Integrin alpha-lib; GPalpha IIb; GPIIb; GT; GP3A; platelet GPIIIa; CD41/CD61 (PAC-1 epitope); anti-CD41/CD61 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgM kappa
Clone Number	PAC-1
Specificity	The mouse monoclonal antibody PAC-1 recognizes an extracellular activation-induced conformational epitope PAC-1 on CD41/CD61 complex (gpIIb/IIIa), also known as integrin alpha IIb beta 3, a receptor which mediates platelet aggregation.
Purity/Purification	The purified antibody is conjugated with PerCP under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing Tris buffered saline (TBS) solution with 15mM sodium azide
Applicable Applications for anti-CD41/CD61 antibody	FCM/FACS (Flow Cytometry)
Conjugation	PerCP
Immunogen	Human platelets
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

ADDITIONAL INFORMATION

Related Product Information for anti-CD41/CD61 antibody	CD41 (platelet glycoprotein IIb, integrin alpha IIb) is composed of two subunits (120kDa transmembrane alpha chain and 23kDa extracellular beta chain) and interacts with CD61 (platelet glycoprotein IIIa, integrin beta 3) in the presence of calcium to form a Functional Application (FUNC)tional adhesive protein receptor. CD41/CD61 complex is one of the earliest markers of the megakaryocytic lineage. Upon blood vessel damage, this receptor binds to a variety of proteins including von Willebrand factor, fibrinogen, fibronectin and vitronectin, and it is involved in platelet aggregation.
References	*Shattil SJ, Hoxie JA, Cunningham M, Brass LF: Changes in the platelet membrane glycoprotein IIb.IIIa complex during platelet activation. J Biol Chem. 1985 Sep 15;260(20):11107-14., URL: http://www.ncbi.nlm.nih.gov/pubmed/2411729,*Shattil SJ, Cunningham M, Hoxie JA: Detection of activated platelets in whole blood using activation-dependent monoclonal antibodies and flow cytometry. Blood. 1987 Jul;70(1):307-15., URL: http://www.ncbi.nlm.nih.gov/pubmed/3297204,*Trikha M, Timar J, Lundy SK, Szekeres K, Cai Y, Porter AT, Honn KV: The high affinity alphaIIb beta3 integrin is involved in invasion of human melanoma cells. Cancer Res. 1997 Jun 15;57(12):2522-8., URL: http://www.ncbi.nlm.nih.gov/pubmed/9192835

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-cd61-antibody-clone-pac-1-flow-cytometry-elisa/129165