

Rat CD41 Monoclonal Antibody | anti-CD41 antibody

CD41 antibody (PE)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA106879	Rat	Not determined	Flow Cytometry, Functional Assay

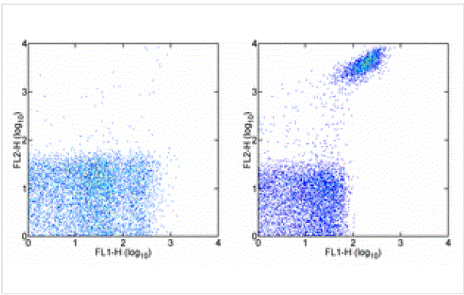
PRODUCT SYNONYMS

CD41; Monoclonal Antibody; CD41 antibody (PE); Monoclonal CD41; Anti-CD41; CD-41; ITGA2b; CD 41; fibrinogen receptor; gpIIb/IIIa; anti-CD41 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Not determined
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	MWReg30
Specificity	Mouse
Form/Format	Liquid with 0.09% sodium azide. May contain carrier protein/stabilizer.
Concentration	0.2 mg/ml (varies by lot)
Sequence Length	185
Applicable Applications for anti-CD41 antibody	FCM/FACS (Flow Cytometry)
Biological Significance	The MWReg30 monoclonal antibody reacts with mouse CD41. While initially thought to be expressed exclusively on the surface of platelets and megakaryocytes, it has been demonstrated that CD41 is also expressed on hematopoietic progenitors in the embryo, fetus and adult. CD41 associates with CD61 to form a receptor which plays a major role in platelet function, including binding of several adhesion molecules such as fibrinogen, fibronectin and vitronectin. Recently, the SLAM-family markers, CD48 and CD150 have been used to reliably identify hematopoietic stem cells. Specifically, it was found that CD150+CD48- bone marrow cells were highly efficient in their ability to confer long-term multi-lineage reconstitution in irradiated mice. Furthermore, the efficiency of reconstitution was enhanced when HSCs were further enriched through the exclusion of CD41+ cells. Thus, the use of CD150+CD48-CD41- as an expression profile efficiently identifies hematopoietic stem cells.
Tag/Conjugate	PE
Preparation and Storage	Store at 4°C only.

IMAGES



FCM/FACS (Flow Cytometry)
Staining of mouse platelets with CD61 antibody (FITC) and 0.125 ug of Rat IgG1K isotype Control (PE) (left) or 0.06 ug of CD41 antibody (PE) (right). Total viable cells were used for analysis.

ADDITIONAL INFORMATION

Related Product Information for anti-CD41 antibody	Rat monoclonal CD41 antibody (PE)
Product Categories/Family for anti-CD41 antibody	Immunology; Conjugated Monoclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	335353891
Molecular Weight	20,050 Da
NCBI Official Full Name	CD41 antigen, partial
UniProt Protein Name	CD41 antigen
UniProt Gene Name	CD41
UniProt Entry Name	F7J059_TURTR

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-flow-cytometry-elisa/106879>