

Product datasheet for **TA320376**

Itga2b Rat Monoclonal Antibody [Clone ID: eBioMWRReg30 (MWRReg30)]

Product data:

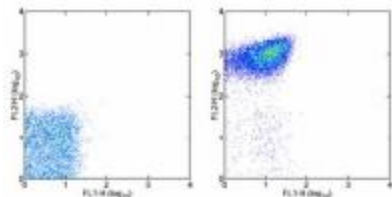
Product Type:	Primary Antibodies
Clone Name:	eBioMWRReg30 (MWRReg30)
Applications:	FC
Recommended Dilution:	Flow, ELISA, Functional Assay, IP
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	integrin alpha 2b
Database Link:	NP_034705 Entrez Gene 16399 Mouse Q9QUM0
Background:	<p>The eBioMWRReg30 monoclonal antibody reacts with mouse CD41 (fibrinogen receptor, gpIIb, integrin alpha IIb). 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 (gpIIIa, integrin beta III) 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 (HSC). 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.</p>



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Synonyms: CD41; CD41B; GP2B; GPIIb; GTA; HPA3; ITGAB

Product images:



Staining of mouse platelets with 0.125 ug of Rat IgG1 Isotype Control Purified (left) or 0.125 ug of Anti-Mouse CD41 Purified (right) followed by Anti-Rat IgG PE.