

43-1017: Monoclonal Antibody to Mouse CD41 NALE™ Purified (Clone: MWReg30)

Clonality :	Monoclonal
Clone Name :	MWReg30
Application :	FACS
Reactivity :	Mouse
Gene :	Itga2b
Gene ID :	16399
Uniprot ID :	Q9QUM0
Alternative Name :	GPA1b, Platelet membrane glycoprotein 1b
Isotype :	Rat IgG1, kappa

Description

The MWReg30 monoclonal antibody specifically reacts with mouse CD41, a transmembrane glycoprotein also known as integrin alpha 2b GPIIb. It is expressed on hematopoietic progenitors, megakaryocytes, and platelets. It forms a receptor with CD61 (integrin beta 3) that binds adhesion molecules such as fibrinogen, fibronectin, von Willebrand factor, and thrombin. Defects or absence of CD41 has been found to lead to coagulation disorders. The expression profile of CD150+, CD48-, and CD41- can be used to identify hematopoietic stem cells.

Product Info

Amount :	500 µg
Content :	1 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
Storage condition :	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.