

### 43-1053: Monoclonal Antibody to Mouse/Rat CD29 NALE™ Purified (Clone: HMb1-1)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	HMb1-1
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Itgb1
<b>Gene ID :</b>	16412/ 24511
<b>Uniprot ID :</b>	P09055/P49134
<b>Alternative Name :</b>	Fibronectin receptor subunit beta, VLA-4 subunit beta/Beta oligodendroglia
<b>Isotype :</b>	Armenian Hamster IgG

#### Description

The HMb1-1 monoclonal antibody specifically reacts with mouse/rat CD29, a 130 kDa molecule also known as integrin beta 1, GPIIa, and the VLA-beta chain. It is expressed broadly on endothelial cells, epithelial, leukocytes, and smooth muscle. CD29 forms the VLA 1-6 complexes through the non-covalent interaction with the alpha integrins of CD49 a-f. The HMb1-1 antibody is capable of inhibiting T cell proliferation and blocking cell adhesion.

#### Product Info

<b>Amount :</b>	500 µg
<b>Content :</b>	1 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
<b>Storage condition :</b>	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.