9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

43-1054: Monoclonal Antibody to mouse CD49b (Integrin alpha 2) NALE™ Purified (Clone: HMa2)

Clonality :	Monoclonal
Clone Name :	HMa2
Application :	FACS
Reactivity :	Mouse
Gene :	Itga2
Gene ID :	16398
Uniprot ID :	Q62469
Alternative Name :	VLA-2 subunit alpha, CD49 antigen-like family member B, Collagen receptor, Platelet membrane glycoprotein Ia
Isotype :	Armenian Hamster IgG

Description

The HMa2 monoclonal antibody specifically reacts with mouse CD49b (integrin alpha 2), a 150 kDa transmembrane glycoprotein that forms the VLA-2 complex with CD29 (integrin beta 1). VLA-2 is expressed on NK-T cells, epithelial cells, platelets, and CD+4 T lymphocytes. It is the receptor for laminin and collagen and is upregulated in response to mitogens. The Hma2 antibody is reported to partially block the interaction with collagen in T cells, but not NK 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.