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

30-1927: Anti-CD49b / Integrin alpha 2 Monoclonal Antibody (Clone:AK7)-FITC Conjugated

Clonality :	Monoclonal
Clone Name :	AK7
Application :	FACS, IP, WB, IHC-Fr, ICC, ELISA
Reactivity :	Human, Non-Human Primates
Conjugate :	FITC
Gene :	ITGA2
Gene ID :	3673
Uniprot ID :	P17301
Alternative Name :	ITGA2,CD49B
Isotype :	Mouse IgG1
Immunogen Information :	Human platelets

Description

CD49b / Integrin alpha 2 (ITGA2; alpha 2 subunit of VLA-2) heterodimerizes with CD29 to form the VLA-2 integrin alpha2/beta1 complex, which serves as a receptor for type I collagen, laminin, and E-cadherin. It also acts as a receptor for echovirus. Expressed on platelets, activated lymphocytes, monocytes, fibroblasts, epitelial and endothelial cells, CD49b mediates adhesion of these cells to the extracellular matrix. This interaction supports e.g. T cell proliferation and cytokine production, or wound healing. Defect in CD49b is associated with bleeding disorder platelet-type 9. Antibodies against CD49b are found in several immune disorders, including neonatal alloimmune thrombocytopenia.

Product Info

Amount :	100 tests
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

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