

## CD49b Antibody (FITC)

Catalogue No.: abx200341

The monoclonal antibody is directed against the CD49b- antigen (GP Ia or VLA-2 alpha-chain), which can form distinct complexes with either the CD29-antigen (GP IIa or VLA beta-chain), resulting in the VLA-2 (alpha-2 beta- 1) complex, which is expressed on human platelets. The monoclonal antibody reacts with platelets, long-term cultivated T lymphocytes and activated T lymphocytes. In immunohistology the monoclonal antibody reacts with thymocytes, epithelial cells of a variety of tissues, peripheral nerves, fibroblasts, osteoclasts, glomerular mesangium and most non-haemopoietic adherent cell lines.

**Target:** CD49b

**Reactivity:** Human

**Host:** Mouse

**Clonality:** Monoclonal

**Tested Applications:** FCM

**Recommended dilutions:** FCM: 20 µl/1 million cells. Optimal dilutions/concentrations should be determined by the end user.

**Immunogen:** Integrin alpha 2.

**Purification:** Affinity Chromatography

**Form:** Liquid

**Isotype:** IgG<sub>1</sub>

**Conjugation:** FITC

**Specificity:** Human platelet antigen (MW 170kDa). The antigen is found on platelets, endothelial cells and approximately 50% of monocytes together with activated T cells. The gpla antigen is non-covalently associated with the 130kD VLA β-chain (CD29) in the VLA-2 complex.

**Storage:** Store in the dark at 2-8 °C.

**Molecular Weight:** 170kDa

**Swiss Prot:** [P17301](#)

**GeneID:** [3673](#)

**Buffer:** The reagent is provided in aqueous buffered solution containing protein stabilizer, and ≤0.09% sodium Azide

**Note:** This product is for research use only.