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## 30-1071: Anti-CD49b / Integrin alpha 2 Monoclonal Antibody (Clone:AK7)

Clonality: Monoclonal

Clone Name: AK7

**Application :** FACS, IP, WB, IHC-Fr, ICC, ELISA **Reactivity :** Human, Non-Human Primates

Gene ID: 3673
Uniprot ID: P17301
Format: Purified
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: 0.1 mg

**Purification :** Purified by protein-A affinity chromatography

**Storage condition :** Store at 2-8°C. Do not freeze.

## **Application Note**

Flow Cytometry Immunoprecipitation Western Blotting Immunohistochemistry (frozen sections) Immunocytochemistry ELISA