



Mouse anti CD61 Monoclonal Antibody

Alternative Name(s): human CD61; Integrin $\beta 3$; gpIIa.

Order Information

- **Description:** CD61
- **Catalogue:** 603-800
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** HCD61-AP3
- **Application:** IHC(P), FACS
- **Reactivity:** Hu

ANTIGEN PREPARATION

Mice were immunized with human platelets.

BACKGROUND

CD61, known as integrin $\beta 3$ or glycoprotein IIIa (gpIIa), is a 90 kD type I integral transmembrane glycoprotein. It is a member of integrin family that associates with platelet gpIIb (CD41) forming CD41/CD61 complex and associates with integrin αV (CD51) forming $\alpha V/\beta 3$ (CD51/CD61) integrin. CD41/CD61 is expressed on platelets and megakaryocytes, and plays a role in platelet activation and aggregation through interaction with fibrinogen, fibronectin, vWF and other RGD-containing adhesion molecules. CD51/CD61 is expressed on platelets, osteoclasts, fibroblast, macrophages and some tumor cells, involved in tumor metastasis and in adenovirus infection through binding to RGD motif ECM proteins.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human CD61 protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: 0.5-5 $\mu\text{g}/10^6$ cells
- Molecular Weight: 90.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

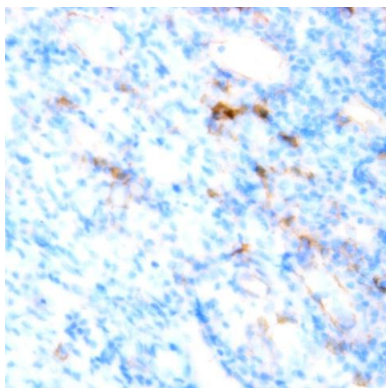
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human lymphoma (FFPE) stained with Mouse anti-CD61 (Cat#603-800) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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