Recombinant CD61 / Integrin ?3 / Platelet Glycoprotein IIIa (Platelet Marker) Antibody

Mouse Monoclonal Antibody [Clone rITGB3/1713]

Catalog No	Format	Size
3690-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3690-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3690-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

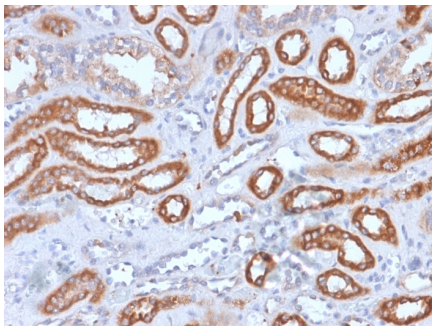
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

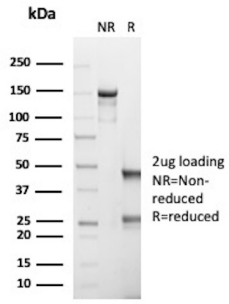
Clone	rITGB3/1713
Gene Name	ITGB3
Immunogen	Recombinant full-length human CD61 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	105kDa & 90kDa
Cellular Localization	Cell junction, Cell membrane, Cell projection, Focal adhesion, Lamellipodium membrane, Postsynaptic cell membrane, Synapse
Species Reactivity	Human
Positive Control	KG1a or HEL cells. Human spleen or kidney tissues., U937

**Optimal dilution for a specific application should be determined.*

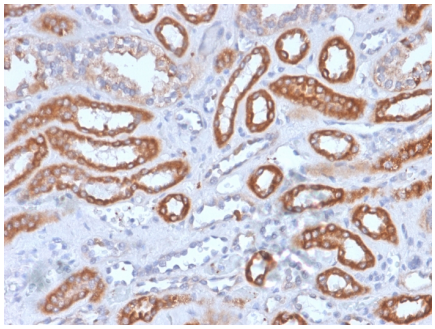
Product Images for Recombinant CD61 / Integrin ?3 / Platelet Glycoprotein IIIa (Platelet Marker) Antibody



Formalin-fixed, paraffin-embedded human Spleen stained with CD61 Recombinant Mouse Monoclonal Antibody(rITGB3/1713).



SDS-PAGE Analysis of Purified Integrin beta-3 Recombinant MouseMonoclonal Antibody (rITGB3/1713). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Spleen stained with CD61 Recombinant Mouse Monoclonal Antibody(rITGB3/1713).

Specificity & Comments

Reacts with human integrin beta3 (GPIIIa, vitronectin receptor beta chain). It associates with the ?V-chain (CD51) to form vitronectin receptor, or with the ?IIb-chain (CD41) to form the GpIIb/GpIIIa complex (CD41/CD61). The CD41/CD61 complex appears early in megakaryocyte maturation. The activated CD41/CD61 complex is a receptor for von Willebrand factor, soluble fibrinogen, fibronectin, vitronectin and thrombospondin. It plays a central role in platelet activation and aggregation. The CD51/CD61 is implicated in tumor metastasis and adenoviral infection. The antibody detects platelets in smears of blood and bone marrow, as well as megakaryocytes in frozen sections and cell smears. The antibody is useful for classification of megakaryoblastic leukemia.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, Angiogenesis, Cardiovascular, Complement System, Developmental Biology, Endothelial Cell Marker, Hematopoietic Stem Cells, Infectious Disease, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.