

## CD61 / Integrin 3 / Platelet Glycoprotein IIIa (Platelet Marker) Antibody

Mouse Monoclonal Antibody [Clone ITGB3/2145]

Catalog No	Format	Size
3690-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3690-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3690-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

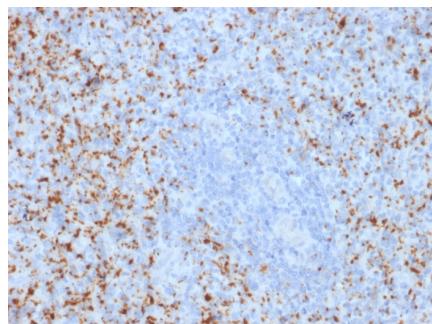
Applications	Tested Dilution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

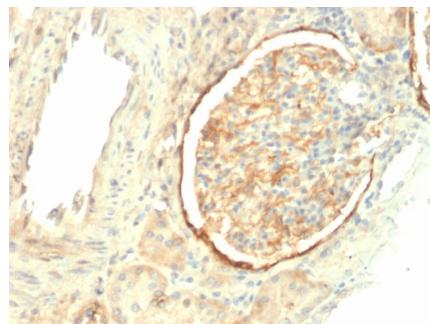
Clone	ITGB3/2145
Gene Name	ITGB3
Immunogen	Recombinant human ITGB3 protein fragment (aa 385-490) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	105kDa & 90kDa
Cellular Localization	Cell junction, Cell membrane, Cell projection, Focal adhesion, Lamellipodium membrane, Postsynaptic cell membrane, Synapse
Species Reactivity	Human
Positive Control	HEL cells. Spleen., Kg1a, U937

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

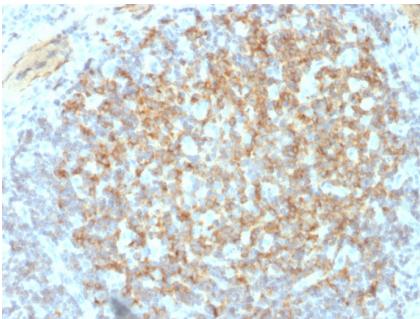
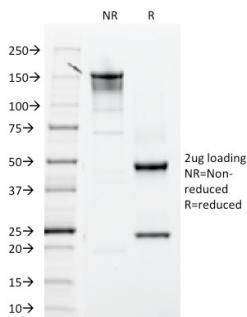
### Product Images for CD61 / Integrin 3 / Platelet Glycoprotein IIIa (Platelet Marker) Antibody



Formalin-fixed, paraffin-embedded human Spleen stained with CD61 Mouse Monoclonal Antibody (ITGB3/2145).



Formalin-fixed, paraffin-embedded human Kidney stained with CD61 Mouse Monoclonal Antibody (ITGB3/2145).



SDS-PAGE Analysis of Purified CD61 Mouse Monoclonal Antibody (ITGB3/2145).

Formalin-fixed, paraffin-embedded human Tonsil stained with CD61 Mouse Monoclonal Antibody (ITGB3/2145).

### Specificity & Comments

Reacts with human integrin beta3 (GPIIIa, vitronectin receptor beta chain). It associates 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

Cardiovascular, Developmental Biology, AKT Signaling, Angiogenesis, Complement System, 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.