

## CD29 (Stem Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone 12G10]

Catalog No	Format	Size
3688-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3688-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3688-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

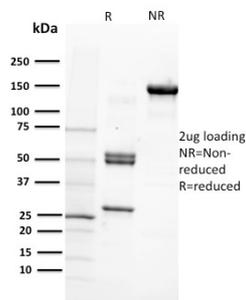
Applications	Tested Dillution	Note
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### Product Details

<b>Clone</b>	12G10
<b>Gene Name</b>	ITGB1
<b>Immunogen</b>	Purified human beta 1 integrin from HT1080 fibrosarcoma cell extract.
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	110kDa (non-reduced) & 130kDa (reduced)
<b>Cellular Localization</b>	Cell junction, Cell membrane, Cell projection, Cell surface, Cleavage furrow, Focal adhesion, Invadopodium membrane, Lamellipodium, Melanosome, Recycling endosome, Ruffle, Ruffle membrane, Sarcolemma
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	HT1080 whole cell lysate. HeLa cell line.

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

### Product Images for CD29 (Stem Cell Marker) Antibody



SDS-PAGE Analysis of Purified CD29 Mouse Monoclonal Antibody (12G10).  
Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

Recognizes CD29. Binds to the cell membrane of T- and B-lymphocytes, monocytes, platelets, fibroblasts, endothelial cells, mast cells and smooth muscle cells. CD29 is an adhesion receptor and co-stimulatory molecule. This antigen was initially characterized as GPIIa on platelets and as the common b1 subunit of the very late antigen (VLA) protein family. CD29 forms a non-covalent heterodimeric complex with integrin alpha subunits. It also mediates adhesion to invasion and thrombospondin.

### 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, Articular Cartilage Extracellular Matrix, BBB VCAM-1 Signaling, Cardiovascular, Cytokine Signaling, Developmental Biology, Immunology, Infectious Disease, Lung Cancer, Mesenchymal Stem Cell Differentiation, Signal Transduction, Stem Cell Differentiation

## 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.

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