

ITGB1 Monoclonal Antibody (TS2/16)

Product Details	
Size	200 µg
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	TS2/16
Conjugate	Unconjugated
Immunogen	Human Beta1 Integrin, the Beta1 chain of the Beta1 integrin heterodimer (CD29)
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	no preservative
Storage conditions	-20°C
RRID	AB_223515

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	2 Publications
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	-	1 Publication
Neutralization (Neu)	-	12 Publications
Inhibition Assays (IA)	-	1 Publication
T-Cell Activation (TCA)	-	2 Publications

Product Specific Information

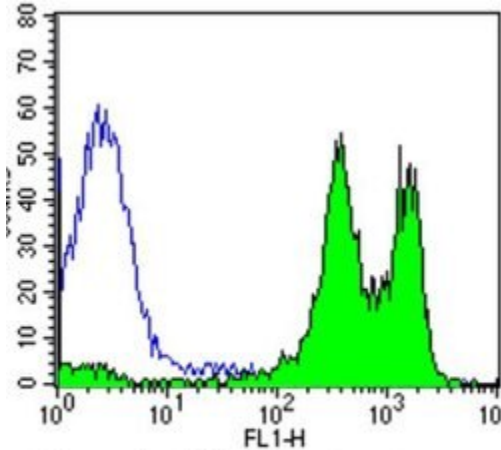
MA2910 targets CD29 in FACS applications and shows reactivity with Human samples.

The MA2910 immunogen is human Beta1 Integrin, the Beta1 chain of the Beta1 integrin heterodimer (CD29).

MA2910 detects CD29 which has a predicted molecular weight of approximately 88 kDa.

This product has been tested for endotoxins by limulus amoebocyte lysate (LAL) assay and contains an endotoxin concentration of less than or equal to 10 endotoxin units per milligram (EU/mg).

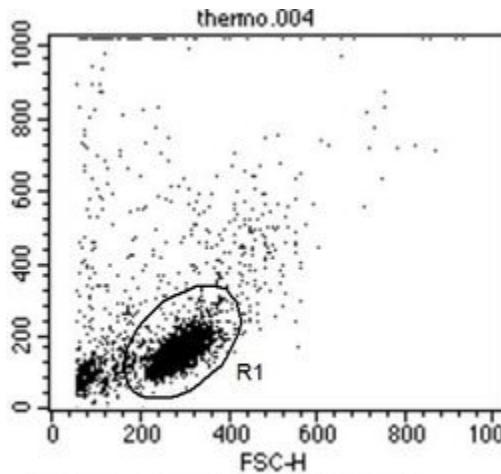
Product Images For ITGB1 Monoclonal Antibody (TS2/16)



ITGB1 Antibody (MA2910) in Flow

Flow cytometry analysis of CD29 in peripheral blood granulocytes compared to an isotype control (blue). Human blood was collected, combined with a hydrophilic polysaccharide, centrifuged, transferred to a conical tube and washed with PBS. 50 μ L of cell solution was added to each tube at a dilution of 2×10^7 cells/mL, followed by the addition of 50 μ L of isotype control and primary antibody (Product # MA2910) at a dilution of 0.5 μ g/test. Cells were incubated for 30 min at 4°C and washed with a cell buffer, followed by incubation with a DyLight 488-conjugated goat anti-mouse IgG (H+L) secondary for 30 min at 4°C in the dark. FACS analysis was performed using 400 μ L of cell buffer.

Cell: peripheral blood granulocytes
Concentration: 0.5 μ g/test (100 μ l)
Theory location: Membrane



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[View more figures on thermofisher.com](https://www.thermofisher.com)

21 References

Western Blot (1)

Acta neuropathologica

Blood vessels guide Schwann cell migration in the adult demyelinated CNS through Eph/ephrin signaling.

"MA2910 was used in Inhibition experiments to study schwann cell migratory behaviour ex vivo and in vivo after exogenous transplantation in the demyelinated spinal cord."

Authors: Garcia-Diaz B, Bachelin C, Couplier F, Gerschenfeld G, Deboux C, Zujovic V, Charnay P, Topilko P, Baron-Van Evercooren A

Species
Human

Dilution
Not Cited

Year
2019

Immunohistochemistry (1)

Respiration; international review of thoracic diseases

Distribution of costameric proteins in the diaphragm of patients with chronic obstructive pulmonary disease.

"MA2910 was used in immunohistochemistry to study the expression of beta 1 integrin in the diaphragm of COPD and non-COPD patients"

Authors: Wijnhoven JH,Hafmans T,Dekhuijzen PN

Species
Human

Dilution
Not Cited

Year
2006

Flow Cytometry (2)

Experimental hematology

The chemokine receptor CXCR4 enhances integrin-mediated in vitro adhesion and facilitates engraftment of leukemic precursor-B cells in the bone marrow.

"MA2910 was used in flow cytometry to investigate the role of SDF-1 and CXCR4 in regulation of beta 1 integrin function"

Authors: Shen W,Bendall LJ,Gottlieb DJ,Bradstock KF

Species
Mouse

Dilution
Not Cited

Year
2001

Journal of neuroimmunology

Influence of adhesion molecule expression by human brain microvessel endothelium on cancer cell adhesion.

"MA2910 was used in flow cytometry to study the effect of adhesion molecule expression on cancer cell adhesion"

Authors: Brayton J,Qing Z,Hart MN,VanGilder JC,Fabry Z

Species
Human

Dilution
Not Cited

Year
1998

More applications with references on thermofisher.com

[ELISA \(1\)](#) [IP \(1\)](#) [Neu \(12\)](#) [IA \(1\)](#) [TCA \(2\)](#)

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