

# CD61 Monoclonal Antibody (Y2/51), FITC

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	Y2/51
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Immunogen	PHA stimulated peripheral blood cells.
Form	Liquid
Concentration	0.1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1% BSA
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. Store in the dark.
RRID	AB_2538459

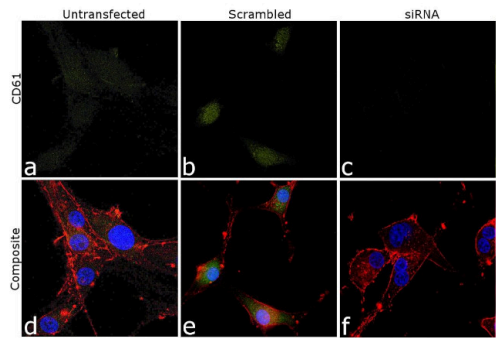
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	5 µg/mL	-
Flow Cytometry (Flow)	Neat-1:10	-

## Product Specific Information

For FACS analysis, use 10 µL of the suggested working dilution to label 1x10<sup>6</sup> cells in 100 µL.

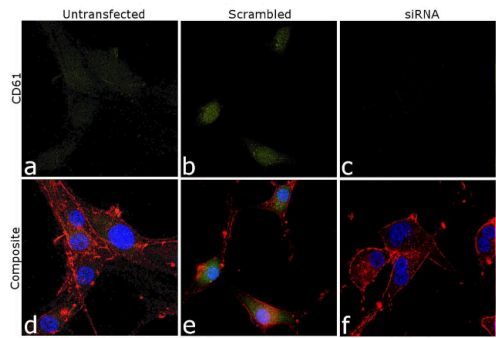
Mouse anti Human CD61 antibody, clone Y2/51 recognizes CD61, a approximately 105 kDa glycoprotein, also known as integrin beta 3 chain.

Product Images For CD61 Monoclonal Antibody (Y2/51), FITC



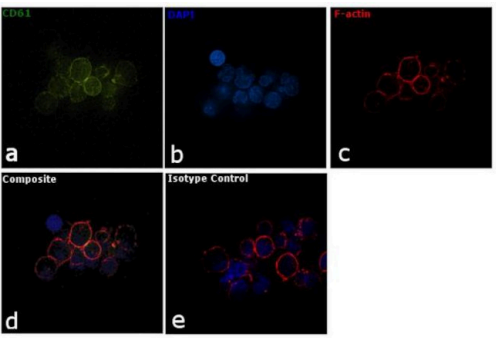
CD61 Antibody (MA5-16986)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. U-87 MG cells were transfected with CD61 siRNA and reduction of specific signal was observed in immunofluorescence application using CD61 Mouse CD61 Monoclonal Antibody, FITC (Product # MA5-16986). {KD}



CD61 Antibody (MA5-16986) in ICC/IF

Knockdown of CD61 was achieved by transfecting U-87 MG cells with CD61 specific siRNA (Silencer® select Product # s534921, s534920). Immunofluorescence analysis was performed on U-87 MG cells (untransfected, panel a,d), transfected with non-specific scrambled siRNA (panels b,e) and transfected with CD61 specific siRNA (panel c,f) Cells were fixed, permeabilized, and labelled with CD61 Mouse monoclonal Antibody, (Y2/51) FITC (Product # MA5-16986, 1:100 dilution), Nuclei (blue) were stained using SlowFade® Gold Antifade Mountant with DAPI (Product # S36938), and Rhodamine Phalloidin (Product # R415, 1:300) was used for cytoskeletal F-actin (red) staining. Reduction of specific signal was observed upon siRNA mediated knockdown (panel c,f) confirming specificity of the antibody to CD61(green). The images were captured at 60X magnification.



CD61 Antibody (MA5-16986) in ICC/IF

Immunofluorescence analysis of CD61 was performed using 70% confluent log phase MOLT4 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with CD61 Mouse Monoclonal Antibody, (Y2/51) FITC (Product # MA5-16986) at 1:100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing membrane localization. Panel e represents Isotype control. The images were captured at 60X magnification.

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