



Anti-ITGA2 monoclonal antibody, clone 27C5 (DCABH-8484)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Integrin alpha 2+beta 1
Antigen Description	This gene encodes the alpha subunit of a transmembrane receptor for collagens and related proteins. The encoded protein forms a heterodimer with a beta subunit and mediates the adhesion of platelets and other cell types to the extracellular matrix. Loss of the encoded protein is associated with bleeding disorder platelet-type 9. Antibodies against this protein are found in several immune disorders, including neonatal alloimmune thrombocytopenia. This gene is located adjacent to a related alpha subunit gene. Alternative splicing results in multiple transcript variants.
Specificity	We have data to indicate that this antibody may not cross react with Rat. However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues.
Immunogen	Purified human beta 1 preparation from HT1080 fibrosarcoma cell extract.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	27C5
Purification	This antibody was purified from tissue culture supernatant
Conjugate	Unconjugated
Applications	ICC/IF, IP, Flow Cyt, ELISA, IHC-Fr
Positive Control	In IF, this antibody gave a positive signal in HepG2 cells.

Format	Liquid
Size	100 µg
Buffer	Preservative: 0.02% Sodium Azide; Constituents: PBS, pH 7.4
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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	ITGA2 integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor) [Homo sapiens]
Official Symbol	ITGA2
Synonyms	ITGA2; integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor); CD49B; integrin alpha-2; CD49b; integrin alpha 2; collagen receptor; VLA-2 subunit alpha; platelet antigen Br; platelet glycoprotein Ia; platelet glycoprotein GPIa; CD49 antigen-like fam
Entrez Gene ID	3673
Protein Refseq	NP_002194
UniProt ID	P17301
Chromosome Location	5q11.2
Pathway	Arf6 trafficking events, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Axon guidance, organism-specific biosystem; CHL1 interactions, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Developmental Biology, organism-specific biosystem;
Function	collagen binding; protein binding; receptor activity;