



Anti-ITGA1 monoclonal antibody, clone TS2/7 [R-PE] (CABT-46280MH)

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

PRODUCT INFORMATION

Product Overview

Mouse anti Human CD49a antibody, clone TS2/7 recognizes the human alpha 1 integrin sub-unit, which forms the VLA-1 heterodimer in association with the beta 1 integrin. VLA-1 is a receptor for collagen and laminin, and is expressed by chronically activated T cells, melanoma cells and smooth muscle cells. Mouse anti Human CD49a antibody, clone TS2/7 has been reported as being suitable for use in Western Blotting. Mouse anti Human CD49a antibody, clone TS2/7 is routinely tested in flow cytometry using HeLa cells. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

Specificity	ITGA1
Immunogen	Human CTL line directed against HLA-DR.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	TS2/7
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is

photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	ITGA1 integrin, alpha 1 [Homo sapiens (human)]
Official Symbol	ITGA1
Synonyms	ITGA1; integrin, alpha 1; VLA1; CD49a; integrin alpha-1; VLA-1; laminin and collagen receptor; very late activation protein 1; CD49 antigen-like family member A;
Entrez Gene ID	3672
Protein Refseq	NP_852478
UniProt ID	P56199
Chromosome Location	5q11.2
Pathway	Arf6 trafficking events; Arrhythmogenic right ventricular cardiomyopathy; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Axon guidance; CHL1 interactions; CXCR4-mediated signaling events; Developmental Biology; Dilated cardiomyopathy;
Function	collagen binding; collagen binding involved in cell-matrix adhesion; metal ion binding; protein binding; protein phosphatase binding; receptor binding;