



Anti-ITGA1 (aa 951-1059) polyclonal antibody (DPAB-DC1734)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding.
Immunogen	ITGA1 (ENSP00000282588, 951 a.a. ~ 1059 a.a) partial recombinant protein with GST tag. The sequence is QFYSSASEYHISIAANETVPEVINSTEDIGNEINIFYLIRKSGSFPMPELKLSISFPNMT SNGYPVLYPTGLSSSENANCRPHIFEDPFSINSGKKMTTSTDHLKRGTI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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 (ARVC); Axon guidance; CXCR4-mediated signaling events.
Function	collagen binding; integrin binding; metal ion binding; protein binding