



Anti-ITGAL (internal region) polyclonal antibody (DPAB-DC1742)

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

PRODUCT INFORMATION

Antigen Description	ITGAL encodes the integrin alpha L chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form the integrin lymphocyte function-associated antigen-1 (LFA-1), which is expressed on all leukocytes. LFA-1 plays a central role in leukocyte intercellular adhesion through interactions with its ligands, ICAMs 1-3 (intercellular adhesion molecules 1 through 3), and also functions in lymphocyte costimulatory signaling. Two transcript variants encoding different isoforms have been found for this gene.
Specificity	This antibody is expected to recognize both reported isoforms (NP_002200.2; NP_001107852.1).
Immunogen	A synthetic peptide corresponding to internal region of human ITGAL. The sequence is C-YQVRIQPSIHDHN
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Tissue lysate), IHC-P, ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ITGAL integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide) [Homo sapiens (human)]
Official Symbol	ITGAL
Synonyms	ITGAL; integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide); CD11A; LFA-1; LFA1A; integrin alpha-L; LFA-1A; LFA-1 alpha; integrin gene promoter; CD11 antigen-like family member A; lymphocyte function-associated antigen 1; leukocyte adhesion glycoprotein LFA-1 alpha chain; leukocyte function-associated molecule 1 alpha chain; antigen CD11A (p180), lymphocyte function-associated antigen 1, alpha polypeptide;
Entrez Gene ID	3683
Protein Refseq	NP_001107852
UniProt ID	P20701
Chromosome Location	16p11.2
Pathway	Adaptive Immune System; Cell adhesion molecules (CAMs); Epstein-Barr virus infection; Focal Adhesion
Function	cell adhesion molecule binding; metal ion binding; protein binding; protein complex binding
