



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

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Specificity</b>	This antibody is expected to recognize both reported isoforms (NP_002200.2; NP_001107852.1).
<b>Immunogen</b>	A synthetic peptide corresponding to internal region of human ITGAL. The sequence is C-YQVRIQPSIHDHN
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Tissue lysate), IHC-P, ELISA,
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	100 µg
<b>Buffer</b>	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

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

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ITGAL integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ITGAL
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">3683</a>
<b>Protein Refseq</b>	<a href="#">NP_001107852</a>
<b>UniProt ID</b>	<a href="#">P20701</a>
<b>Chromosome Location</b>	16p11.2
<b>Pathway</b>	Adaptive Immune System; Cell adhesion molecules (CAMs); Epstein-Barr virus infection; Focal Adhesion
<b>Function</b>	cell adhesion molecule binding; metal ion binding; protein binding; protein complex binding