



Human ITGAL peptide (DAG-P0304)

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. [provided by RefSeq, Jul 2008]
Specificity	Leukocytes.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the integrin alpha chain family.Contains 7 FG-GAP repeats.Contains 1 VWFA domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

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
mRNA Refseq	NM_001114380.1
Protein Refseq	NP_001107852.1
UniProt ID	P20701
Chromosome Location	16p11.2
Pathway	Adaptive Immune System, organism-specific biosystem; CXCR3-mediated signaling events, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Epstein-Barr virus infection, organism-specific biosystem; Epstein-Barr virus infection, conserved biosystem; Extracellular matrix organization, organism-specific biosystem; Focal Adhesion, orga
Function	cell adhesion molecule binding; metal ion binding; protein binding; protein complex binding; protein heterodimerization activity;