

Product Information

MemDX™ Membrane Protein Human ITGAL (Integrin subunit alpha L) for Antibody

Discovery

Cat. No.: **MP0687J**

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

This product is a 126.1 kDa Human ITGAL membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ITGAL

Protein Length

Full-length

Protein Class

Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Molecular Weight

126.1 kDa

TMD

1

Sequence

MKDSCITVMAMALLSGFFFFAPASSYNLDVRGARSFSPPRAGRHFQYRVLQVGNVIVGAPGEGNSTGSL
YQCQSGTGHCLPVTLRGSNYTSKYLGMTLATDPTDGSILACDPGLSRTCDQNTYLSGLCYLFRQNLQGPM
LQGRPGFQECIKGNVDLVFLFDGMSLQPDFQKILDFMKDVMKKLSNTSYQFAAVQFSTSYKTEFDFSD
YVKRKDPDALLKHVKHMLLLTNTFGAINVATEVFREELGARPDATKVLIIITDGEATDSGNIDAAKDII
RYIIGIGKHFQTKESQETLHKFASKPASEFVKILDTFEKLKDLFTLQKKIYVIEGTSKQDLTSFNMELS
SSGISADLSRGHAVVGAVGAKDWAGGFLLKADLQDDTFIGNEPLTPEVRAGYLGTYVTWLPSRQKTSLL
ASGAPRYQHMGRLVLLFQEPQGGGHWSQVQTIHGTQIGSYFGGELCGVDVDQDGETELLIGAPLFYGEQR
GGRVFIYQRRQLGFEEVSELQGDPGYPLGRFGEAITALTDINGDGLVDVAVGAPLEEQGAVYIFNGRHGG
LSPQPSQRIEGTVLSGIQWFGRSIHGVKDLEGDGLADVAVGAESQMIVLSSRPVDMVTLMFSFPAEIP
VHEVECSYSTSNKMKEGVNITICFQIKSLIPQFQGRLVANLTYTLQLDGHRTRRRGLFPGGRHELRRNIA
VTTSMSCDFS FHPVQDLISPINVSLNFSLWEEEGTPRDQRAQGKDIPPILRPSLHSETWEIPFEKN
CGEDKKCEANLRVSFSPARSRLRLTAFASLSVELSLSNLEEDAYWVQLDLHFPPGLSFRKVEMLKPHSQ
IPVSCEELPEESRLLSRALSCNVSSPIFKAGHSVALQMMFNTLVNSSWGDVELHANVTCNNEDSDLLD
NSATTIIPILYPINILIQDQEDSTLYVSFTPKGPKIHQVKHMYQVRIQPSIHDHNIPTLEAVVGVPQPPS
EGPITHQWSVQMEPPVPCHYEDLERLPDAAEPCPLGALFRCPVFRQEILVQVIGTLELVGEIEASSMFS
LCSSLSISFNSSKHFHLYGSNASLAQVVMKVDVVEKQMLYLYVLSGIGGLLLLLLIFIVLYKVGFFKRN
LKEKMEAGRGPNGIPAEDSEQLASGQEAGDPGCLKPLHEKDSESGGKD

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

ITGAL

Full Name

Integrin subunit alpha L

Introduction

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.

Alternative Names

CD11A; LFA-1; LFA1A

Gene ID

[3683](#)

UniProt ID

[P20701](#)