

Datasheet for ABIN6387850
LY9 Protein (AA 48-454) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	LY9 (CD229)
Protein Characteristics:	AA 48-454
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LY9 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADLKDSAPTV VSGILGGSVT LPLNISVDTE IENVIWIGPK NALAFARPKE NVTIMVKSYL GRLDITKWSY SLCISNLTN DAGSYKAQIN QRNFVTTTE EFTLFVYEQL QEPQVTMKS KVSENFSCNI TLMCSVKGAE KSVLYSWTPR EPHASESNGG SILTVSRTPC DPDLPYICTA QNPVSRSSL PVHVGQFCTD PGASRGGTTG ETVVGVLGEP VTLPLALPAC RDTEKVVWLF NTSIISKERE EAATADPLIK SRDPYKNRVW VSSQDCSLKI SQLKIEDAGP YHAYVCSEAS SVTSMTHVTL LIYRRLRKP ITWSLRHSED GICRISLTCS VEDGGNTVMY TWTPLQKEAV VSQGESHNLV SWRSSENHPN LTCTASNPVS RSSHQFLSEN ICSGPERNTK HHHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

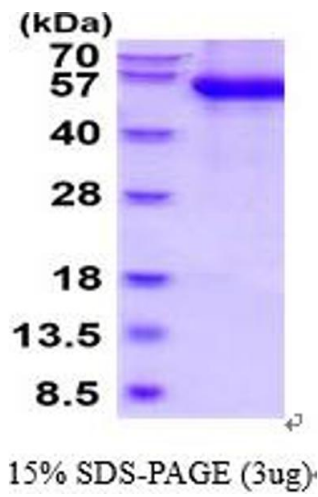
Target:	LY9 (CD229)
Alternative Name:	LY9 (CD229 Products)
Background:	<p>LY9, as known as T-lymphocyte surface antigen Ly-9 isoform, is a type 1 transmembrane glycoprotein in the SLAM subgroup of the CD2 family. This protein consists of an extracellular domain with two Ig-like V-set and two Ig-like truncated C2-set domains. It is expressed on T and B cells, thymocytes, and more weakly on NK cells. Homophilic binding between LY9 Molecules is mediated by the N-terminal Ig-like domain. Also, this protein knockout mice show minimally impaired immune responses, suggesting functional redundancy with other molecules.</p> <p>Recombinant human LY9, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	45.9kDa (416aa) 40-57kDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_002339
UniProt:	Q9HBG7
Pathways:	BCR Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.