NKMAXBio We support you, we believe in your research

Recombinant human CD229/SLAMF3 protein

Catalog Number: ATGP3400

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

48-454aa

UniProt No.

O9HBG7

NCBI Accession No.

NP 002339

Alternative Names

T-lymphocyte surface antigen Ly-9 isoform, LY9, CD229, hly9, mLY9, SLAMF3, CD229 Cell surface molecule Ly-9, Cell surface molecule Ly9, hly9, LY 9, Ly9, LY9_HUMAN, Lymphocyte antigen 9, mLY9, Signaling lymphocytic activation molecule 3, SLAM family member 3, SLAMF3, T lymphocyte surface antigen Ly9 precursor, T-lymphocyte surface antigen Ly-9

PRODUCT SPECIFICATION

Molecular Weight

45.9 kDa (416aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

LY9, as known as T-lymphocyte surface antigen Ly-9 isoform, is a type 1 transmembrane glycoprotein in the



NKMAXBIO We support you, we believe in your research

Recombinant human CD229/SLAMF3 protein

Catalog Number: ATGP3400

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. Recombinant human LY9, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

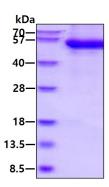
<ADL>KDSAPTV VSGILGGSVT LPLNISVDTE IENVIWIGPK NALAFARPKE NVTIMVKSYL GRLDITKWSY SLCISNLTLN DAGSYKAQIN QRNFEVTTEE EFTLFVYEQL QEPQVTMKSV KVSENFSCNI TLMCSVKGAE KSVLYSWTPR EPHASESNGG SILTVSRTPC DPDLPYICTA QNPVSQRSSL PVHVGQFCTD PGASRGGTTG ETVVGVLGEP VTLPLALPAC RDTEKVVWLF NTSIISKERE EAATADPLIK SRDPYKNRVW VSSQDCSLKI SQLKIEDAGP YHAYVCSEAS SVTSMTHVTL LIYRRLRKPK ITWSLRHSED GICRISLTCS VEDGGNTVMY TWTPLQKEAV VSQGESHLNV SWRSSENHPN LTCTASNPVS RSSHQFLSEN ICSGPERNTK < HHHHHHH>

General References

Hagberg N., et al. (2013) J. Immunol. 191:2989-2998. Chatterjee M., et al. (2012) J. Biol. Chem. 287:38168-38177.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

