# 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**

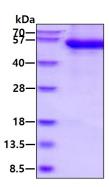
<ADL>KDSAPTV VSGILGGSVT LPLNISVDTE IENVIWIGPK NALAFARPKE NVTIMVKSYL GRLDITKWSY SLCISNLTLN DAGSYKAQIN QRNFEVTTEE EFTLFVYEQL QEPQVTMKSV KVSENFSCNI TLMCSVKGAE KSVLYSWTPR EPHASESNGG SILTVSRTPC DPDLPYICTA QNPVSQRSSL PVHVGQFCTD PGASRGGTTG ETVVGVLGEP VTLPLALPAC RDTEKVVWLF NTSIISKERE EAATADPLIK SRDPYKNRVW VSSQDCSLKI 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

