



Datasheet for ABIN6972974

LY9 Protein (AA 48-454) (His tag,AVI tag,Biotin)



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2 Images

Overview

Quantity:	200 µg
Target:	LY9 (CD229)
Protein Characteristics:	AA 48-454
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LY9 protein is labelled with His tag,AVI tag,Biotin.

Product Details

Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Characteristics:	Biotinylated Human CD229 / SLAMF3 Protein, His,Avitag™
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	LY9 (CD229)
Alternative Name:	CD229 (CD229 Products)
Background:	CD229, also known as Ly9 and SLAMF3, is a 120 kDa type I transmembrane glycoprotein in the

Target Details

SLAM subgroup of the CD2 family. Signaling lymphocyte activation molecule (SLAM) family receptors are critically involved in modulating innate and adaptive immune responses. CD229 is expressed on T and B cells, thymocytes, and more weakly on NK cells. Homophilic binding between CD229 Molecules is mediated by the N-terminal Ig-like domain.

Molecular Weight: 48.5 kDa

NCBI Accession: [NP_002339](#)

Pathways: [BCR Signaling](#)

Application Details

Comment: Ready-to-use Avitag™ biotinylated protein:
The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

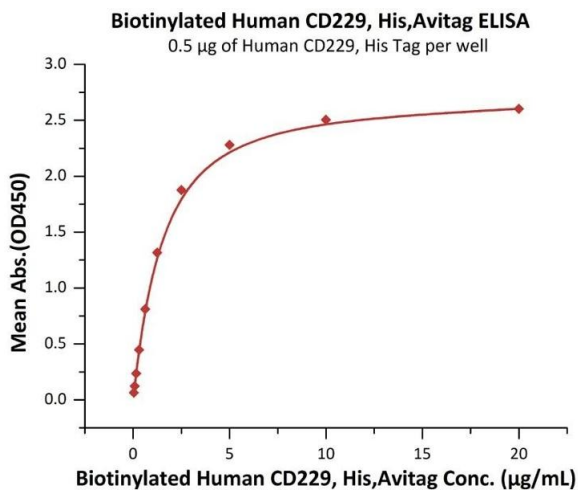
Restrictions: For Research Use only

Handling

Format: Lyophilized

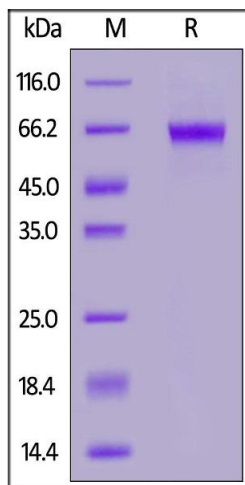
Buffer: PBS, pH 7.4

Storage: -20 °C



ELISA

Image 1. Immobilized Human CD229, His Tag (ABIN6253192,ABIN6253525) at 5 µg/mL (100 µL/well) can bind Biotinylated Human CD229, His,Avitag (ABIN6972974) with a linear range of 0.039-2.5 µg/mL (QC tested).



SDS-PAGE

Image 2. Biotinylated Human CD229, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 %.