

Synonym

SLAMF3,LY9,Ly-9,hly9,Ly9

Source

Human CD229, His Tag(CD9-H52H6) is expressed from human 293 cells (HEK293). It contains AA Lys 48 - Lys 454 (Accession # [Q9HBG7-1](#)).

Predicted N-terminus: Lys 48

Molecular Characterization

CD229(Lys 48 - Lys 454)
Q9HBG7-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 46.7 kDa. The protein migrates as 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

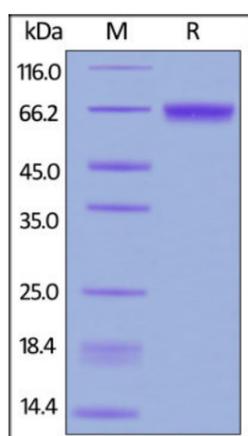
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

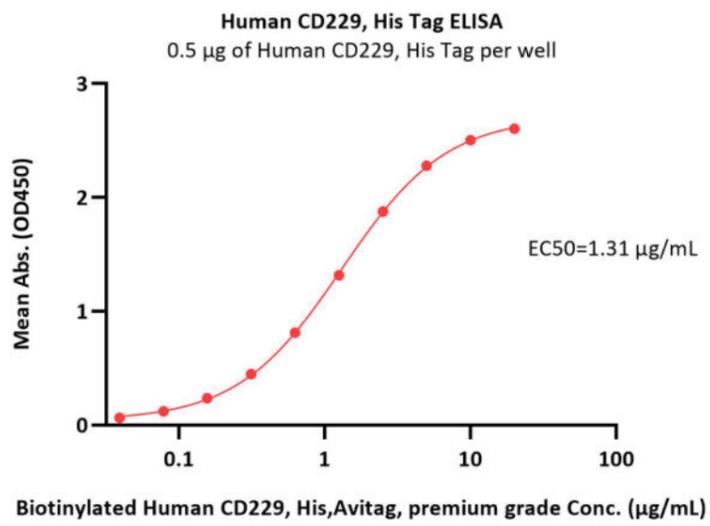
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

Human CD229, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Immobilized Human CD229, His Tag (Cat. No. CD9-H52H6) at 5 µg/mL (100 µL/well) can bind Biotinylated Human CD229, His,Avitag, premium grade (Cat. No. CD9-H82E6) with a linear range of 0.039-2.5 µg/mL (QC tested).

Background

CD229, also known as Ly9 and SLAMF3, is a 120 kDa type I transmembrane glycoprotein in the 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.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.