

For Research Use Only

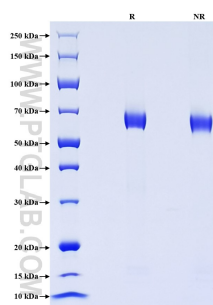
Recombinant Mouse CD229/SLAMF3 protein (His Tag)



Catalog Number: Eg1586

| Basic Information | Species: Mouse | Purity: >90 %, SDS-PAGE | Tag: His Tag |
|--------------------------|---|----------------------------|-----------------|
| Technical Specifications | <p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse CD229 protein Lys48-Arg453 (Accession# Q01965) with a His tag at the C-terminus.</p> <p>GeneID: 17085</p> <p>Accession: Q01965</p> <p>Predicted Molecular Mass: 46.2 kDa</p> <p>SDS-PAGE: 60-70 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p> | | |
| Biological Activity | Not tested | | |
| Storage and Shipping | <p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p> | | |
| Reconstitution | Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water. | | |
| Background | <p>Signaling lymphocytic activation molecule 3 (SLAMF3), also known as CD229 or Ly9, is a type I transmembrane glycoprotein that belongs to the SLAM family receptors. It is composed of an extracellular region, which consists of four Ig-like domains, a transmembrane region, and a cytoplasmic tail, which includes two immunoreceptor tyrosine-based signaling motifs (ITSMs) and other tyrosine residues that act as binding sites for the SH2 structural domains. SLAMF3 is mainly expressed in immune cells, such as T, B, and natural killer cells, and it is involved in the fundamental activation and suppression of these immune cells, as well as the regulation of complex immune networks.</p> | | |
| References | <ol style="list-style-type: none">1.Tovar V, et al. (2000) Immunogenetics. 51(10):788-93.2.Romero X, et al. (2005) J Immunol. 174(11):7033-42.3.Sandrin MS, et al. (1996) Immunogenetics. 43(1-2):13-9.4.de la Fuente MA, et al. (2001) Blood. 97(11):3513-20.5.Zhou T, et al. (2024) Int Immunopharmacol. 133:112088. | | |
| Synonyms | CD229, Cell surface molecule Ly-9, Ly9, Ly-9, Lymphocyte antigen 9 | | |

Selected Validation Data



Purity of Recombinant Mouse CD229 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.