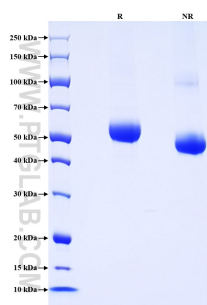


Recombinant Mouse LAG-3/CD223 protein (His Tag)

Catalog Number: Eg1220

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 LAG-3 protein Gly24-Leu442 (Accession# Q61790) with a His tag at the C-terminus.</p> <p>GeneID: 16768</p> <p>Accession: Q61790</p> <p>Predicted Molecular Mass: 46.3 kDa</p> <p>SDS-PAGE: 48-60 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	LAG-3, also known as CD223, is an immune checkpoint molecule that regulates both T-cell activation and homeostasis. LAG-3 is expressed on activated T cells, NK cells, regulatory T cells, and plasmacytoid dendritic cells. It is a CD4-related molecule that binds MHC class II. LAG-3 plays an important role in modulating T cell expansion and function, and blockade of LAG-3 with monoclonal antibodies can augment T cell function.		
References	<ol style="list-style-type: none">1. Workman CJ. et al. (2005). J Immunol. 174(2):688-95.2. Goldberg MV. et al. (2011). Curr Top Microbiol Immunol. 344:269-78.3. Zhang Q. et al. (2017). Sci Immunol. 2(9):eaah4569.		
Synonyms	CD223, LAG-3, LAG 3, Lag3, Ly66		

Selected Validation Data



Purity of Recombinant Mouse LAG-3 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

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