

Biotinylated Recombinant Human LILRA3/ILT-6/CD85e Protein

Catalog No.: RP02589B

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	11026	Q8N6C8

Tags

C-His&Avi

Synonyms

CD85e; HM31; HM43; ILT6; ILT-6; LILRA3; LIR4; LIR-4HM43e3

Background

Human LILRA3, also known as Leukocyte Ig-like receptor 4 (LIR-4), CD85 antigen-like family member E, Immunoglobulin-like transcript 6 (ILT-6) and monocyte inhibitory receptor HM43/HM31, is a 70 kD Ig superfamily member that belongs to the leukocyte receptor complex/cluster. Mature LILRA3 is 416 amino acids (aa) in length and contains four C2-type Ig-like domains. Unlike other LILR family members, LILRA3 is actively secreted. LILRA3 acts as soluble receptor for class I MHC antigens. LILRA3 binds both classical and non-classical HLA class I molecules but with reduced affinities compared to LILRB1 or LILRB2. Binds with high affinity to the surface of monocytes, leading to abolish LPS-induced TNF-alpha production by monocytes.

Basic Information

Description

Biotinylated Recombinant Human LILRA3/ILT-6/CD85e Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly24-Glu439) of Human LILRA3/ILT-6/CD85e (Accession #) fused with His tag and Avi Tag at the C-terminal.

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Product Information

Source

HEK293 cells

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW

47.9 kDa

Observed MW

60-70 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

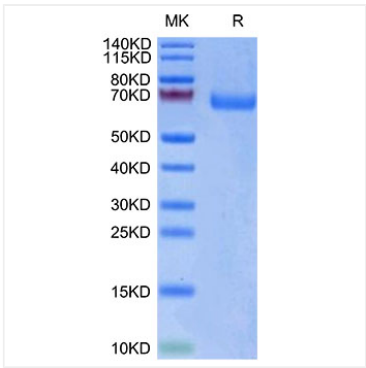


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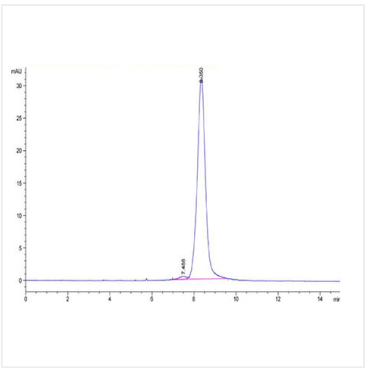
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Validation Data



Biotinylated Recombinant Human LILRA3/ILT-6/CD85e Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human LILRA3 is greater than 95% as determined by SEC-HPLC.