

Mouse IL-31 RA Protein, Fc Tag

Catalog # ILA-M5254



Synonym

IL-31 RA,IL-31RA,hGLM-R,CRL3,GPL,ZcytoR17,GLM-R,IL-31R-alpha,Gp130-like receptor

Source

Mouse IL-31 RA Protein, Fc Tag(ILA-M5254) is expressed from human 293 cells (HEK293). It contains AA Val 19 - Thr 499 (Accession # [Q8K5B1-1](#)). Predicted N-terminus: Val 19

Molecular Characterization

IL-31 RA(Val 19 - Thr 499) Q8K5B1-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.
The protein has a calculated MW of 81.6 kDa. The protein migrates as 110-130 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC 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.

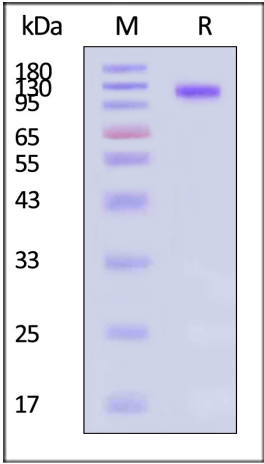
Storage

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



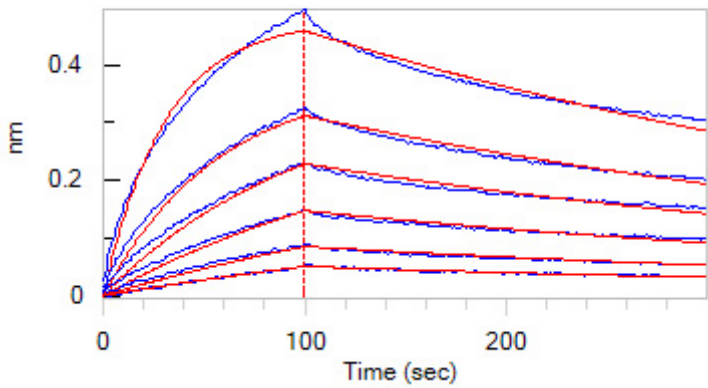
Mouse IL-31 RA Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-BLI



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Loaded Biotinylated Mouse IL-31, His-Avitag (Cat. No. IL1-M82Q9) on SA Biosensor, can bind Mouse IL-31 RA Protein, Fc Tag (Cat. No. ILA-M5254) with an affinity constant of 0.377 μ M as determined in BLI assay (ForteBio Octet Red96e) (QC tested).

Background

Interleukin-31 receptor subunit alpha is a protein that in humans is encoded by the IL31RA gene, also known as IL-31 receptor subunit alpha, IL-31RA, GLM-R, Gp130-like receptor, CRL3, GPL. Oncostatin M receptor (OSMR) and IL31RA form the heterodimeric receptor through which IL31 signals. IL31RA is a strong activator of STAT3 and STAT5, whereas STAT1 is only marginally tyrosine-phosphorylated. Additionally, demonstrate Jak1 binding to GPL and its activation in heteromeric complexes with the OSMRbeta but also in a homomeric receptor complex.

