

Biotinylated Mouse IFN alpha/beta R1 Protein

Cat. No. IFN-MM4R1B

Description

Source	Recombinant Biotinylated Mouse IFN alpha/beta R1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Glu27-Thr429.
Accession	P33896
Molecular Weight	The protein has a predicted MW of 46.85 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 90% as determined by HPLC

Formulation and Storage

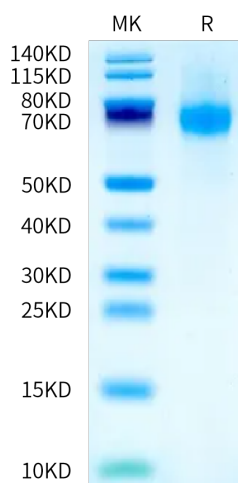
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

IFN-alpha / beta R1, also known as IFNAR1, belongs to the class II cytokine receptor family of proteins. Class II cytokine receptors form heterodimeric receptor complexes that mediate class II cytokine signals. Subunits of the different receptor complexes are shared and serve multiple functions. Functions in general as heterodimer with IFNAR2. Type I interferon binding activates the JAK-STAT signaling cascade, and triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and the IFNR alpha- and beta-subunits themselves.

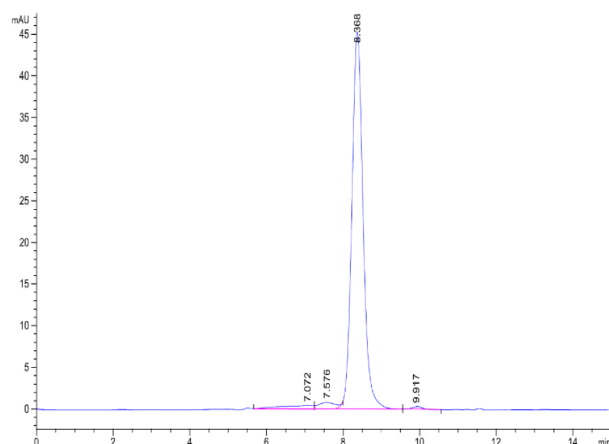
Assay Data

Tris-Bis PAGE



Biotinylated Mouse IFN alpha/beta R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Mouse IFN alpha/beta R1 is greater than 90% as determined by SEC-HPLC.

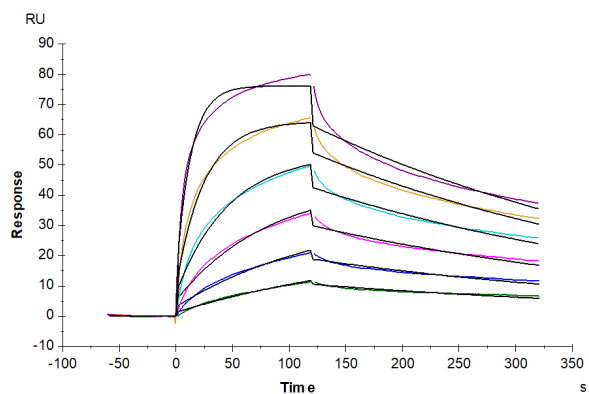
Biotinylated Mouse IFN alpha/beta R1 Protein

Cat. No. IFN-MM4R1B



Assay Data

SPR Data



Biotinylated Mouse IFN alpha/beta R1, His Tag captured on CM5 Chip via anti-his antibody can bind Human IFN alpha 1, hFc Tag with an affinity constant of 3.85 nM as determined in SPR assay (Biacore T200).