Biotinylated Cynomolgus IL-18BP Protein (Primary Amine Labeling)

Cat. No. IL8-CM1BPB

Description

Source	Recombinant Biotinylated Cynomolgus IL-18BP Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the C-Terminus.
	It contains Thr28-Pro207.
Accession	A0A2K5UDJ4
Molecular Weight	The protein has a predicted MW of 21.14 kDa. Due to glycosylation, the protein migrates to 50-65 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

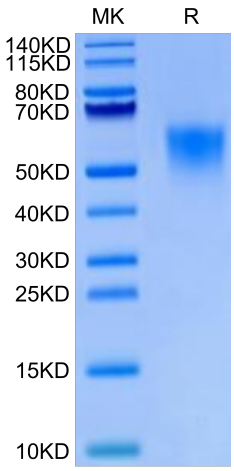
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Cytokines were the first modern immunotherapies to produce durable responses in patients with advanced cancer,components of the interleukin-18 (IL-18) pathway are upregulated on tumour-infiltrating lymphocytes, suggesting that IL-18 therapy could enhance anti-tumour immunity. IL-18BP, a high-affinity IL-18 decoy receptor, is frequently upregulated in diverse human and mouse tumours and limits the anti-tumour activity of IL-18 in mice.

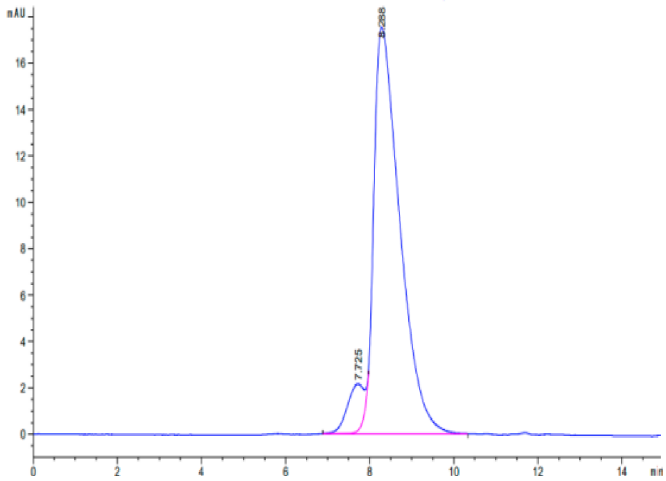
Assay Data

Tris-Bis PAGE



Biotinylated Cynomolgus IL-18BP on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Cynomolgus IL-18BP is greater than 90% as determined by SEC-HPLC.

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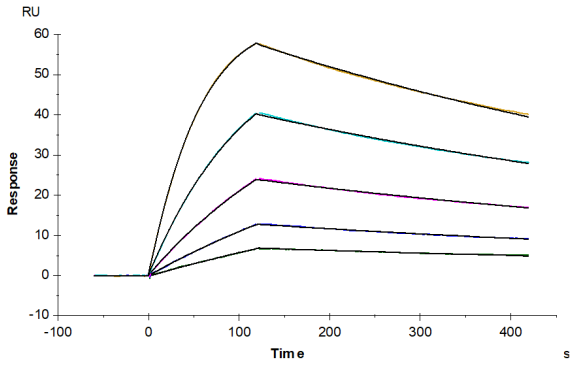
Assay Data

SPR Data



Biotinylated Cynomolgus IL-18BP, His tag captured on CM5 Chip via anti-his antibody can bind Human IL-18, No Tag with an affinity constant of 1.67 nM as determined in SPR assay (Biacore T200).