

Cynomolgus IL-18 Protein

Cat. No. IL1-CE018



Description	
Source	Recombinant Cynomolgus IL-18 Protein is expressed from E.coli without tag. It contains Tyr37-Asp193.
Accession	A0A2K5TJ84
Molecular Weight	The protein has a predicted MW of 18.27 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% 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	
Interleukin (IL)-18 was originally discovered as a factor that enhanced IFN-γ production from anti-CD3-stimulated Th1 cells, especially in the presence of IL-12. Upon stimulation with Ag plus IL-12, naïve T cells develop into IL-18 receptor (IL-18R) expressing Th1 cells, which increase IFN-γ production in response to IL-18 stimulation.	

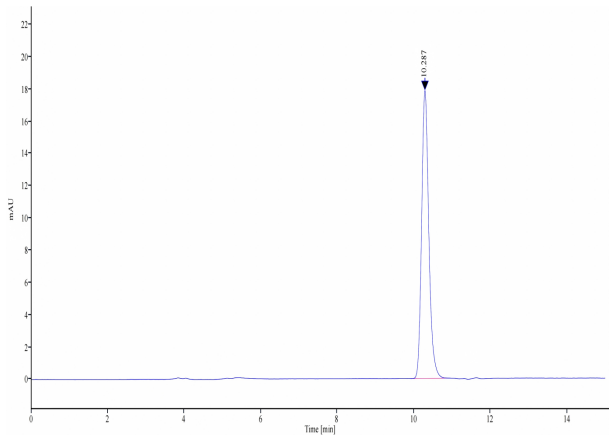
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



The purity of Cynomolgus IL-18 is greater than 95% as determined by SEC-HPLC.

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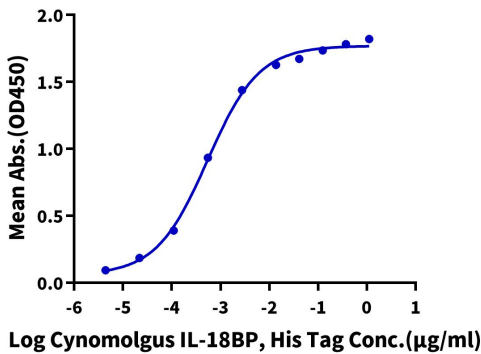


Assay Data

ELISA Data

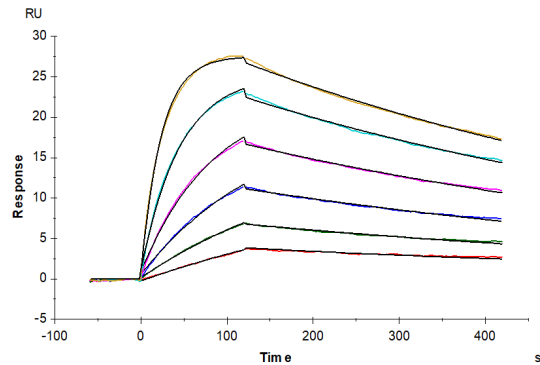
Cynomolgus IL-18, No Tag ELISA

0.1µg Cynomolgus IL-18, No Tag Per Well



Immobilized Cynomolgus IL-18, No Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Cynomolgus IL-18BP, His Tag (Cat. IL8-CM1BP) with the EC50 of 0.5ng/ml determined by ELISA.

SPR Data



Cynomolgus IL-18BP, His Tag (Cat. IL8-CM1BP) captured on CM5 Chip via Anti-His Antibody can bind Cynomolgus IL-18, No Tag with an affinity constant of 0.73 nM as determined in SPR assay (Biacore T200).