

Biotinylated Cynomolgus IL-17A/CTLA-8 Protein

Cat. No. ILA-CM417B



Description

Source	Recombinant Biotinylated Cynomolgus IL-17A/CTLA-8 Protein is expressed from HEK293 with His tag and Avi tag at the N-terminus.
	It contains Gly24-Ala155.
Accession	XP_005552816.3
Molecular Weight	The protein has a predicted MW of 18.02 kDa. Due to glycosylation, the protein migrates to 20-24 kDa, 26-30 kDa and 30-38 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 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

Interleukin17A (IL17A), also known as CTLA8, is a 1520 kDa glycosylated cytokine that plays an important role in antimicrobial and chronic inflammation. The six IL17 cytokines (IL17AF) are encoded by separate genes but adopt a conserved cystine knot fold. IL-17A is a ligand for IL17RA and IL17RC. The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC. Involved in inducing stromal cells to produce proinflammatory and hematopoietic cytokines.

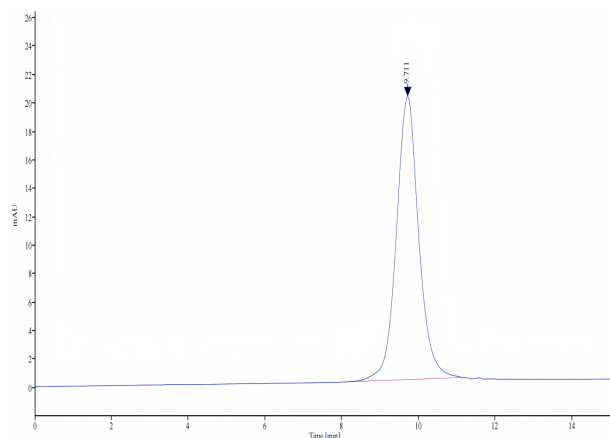
Assay Data

Bis-Tris PAGE



Biotinylated Cynomolgus IL-17A on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Cynomolgus IL-17A is greater than 95% as determined by SEC-HPLC.

Biotinylated Cynomolgus IL-17A/CTLA-8 Protein

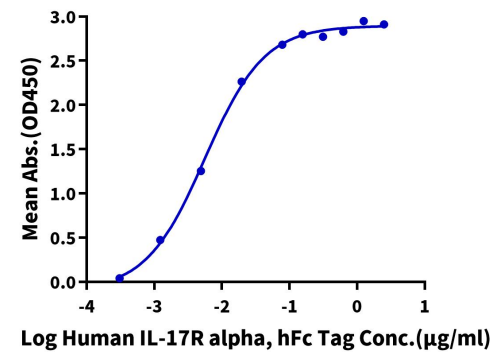
Cat. No. ILA-CM417B



Assay Data

ELISA Data

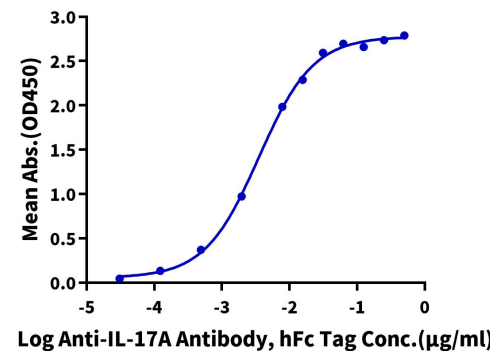
Biotinylated Cynomolgus IL-17A, His Avi Tag ELISA
0.05µg Biotinylated Cynomolgus IL-17A, His Avi Tag Per Well



Immobilized Biotinylated Cynomolgus IL-17A, His Avi Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human IL-17R alpha, hFc Tag (Cat. CD7-HM2RA) with the EC50 of 5.6ng/ml determined by ELISA.

ELISA Data

Biotinylated Cynomolgus IL-17A, His Avi Tag ELISA
0.05µg Biotinylated Cynomolgus IL-17A, His Avi Tag Per Well



Immobilized Biotinylated Cynomolgus IL-17A, His Avi Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-IL-17A Antibody, hFc Tag with the EC50 of 3.5ng/ml determined by ELISA.