

Biotinylated Human IL-17A/CTLA-8 Protein, His-Avi Tag

产品信息

产品名称	产品编号	规格
Biotinylated Human IL-17A/CTLA-8 Protein, His-Avi Tag	93796ES60	100 µg
	93796ES76	500 µg

产品描述

Interleukin-17A (IL-17A), also known as CTLA-8, is a glycosylated cytokine that plays an important role in anti-microbial and chronic inflammation. Mature rat IL-17A shares 60% and 89% amino acid sequence identity with human and mouse IL-17A, respectively. IL-17A is secreted by Th17 cells, gamma /delta T cells, iNKT cells, NK cells, LTI cells, neutrophils, and intestinal Paneth cells. It forms disulfide-linked homodimers as well as disulfide-linked heterodimers with IL-17F. IL-17A exerts its effects through the transmembrane IL-17RA in complex with IL-17RC or IL-17RD.

产品性质

Synonyms	CTLA-8; IL17; IL17A; IL-17CTLA-8; interleukin 17A
Uniprot No.	Q16552-1
Source	Recombinant Biotinylated Human IL-17A/CTLA-8 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Gly24-Ala155.
Molecular Weight	The protein has a predicted MW of 18.2 kDa. Due to glycosylation, the protein migrates to 16-30 kDa based on Tris-Bis PAGE result.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

运输与保存方法

The products are shipped with ice pack and can be stored at -20°C for 1 year.

2-7 days, 2 to 8 °C under sterile conditions after reconstitution.

3 -6 months, -20 to -80°C under sterile conditions after reconstitution.

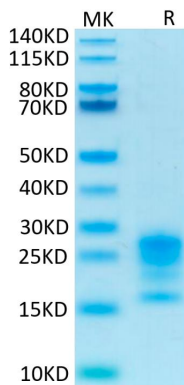
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

产品数据

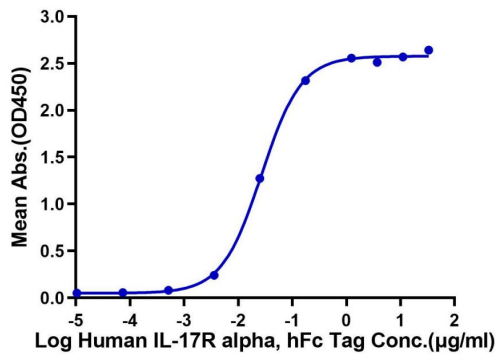
Tris-Bis PAGE



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

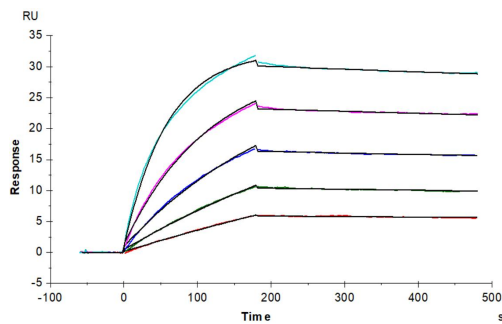
ELISA Data

Biotinylated Human IL-17A, His Tag ELISA
 0.2 μ g Biotinylated Human IL-17A, His Tag Per Well



Immobilized Biotinylated Human IL-17A, His Tag at 2 μ g/mL (100 μ l/well) on the streptavidin precoated plate (5 μ g/ml). Dose response curve for Human IL-17R alpha, hFc Tag with the EC₅₀ of 27.0ng/mL determined by ELISA.

SPR Data



Human IL-17R alpha, hFc Tag captured on CM5 Chip via protein A can bind Biotinylated Human IL-17A, His-Avi Tag with an affinity constant of 2.18nM as determined in SPR assay (Biacore T200).