

## Recombinant Human GITR/TNFRSF18 (His Tag)

### 产品信息

产品名称	产品编号	规格
Recombinant Human GITR/TNFRSF18 (His Tag)	93554ES20	20 µg
	93554ES60	100 µg
	93554ES76	500 µg
	93554ES80	1 mg

### 产品描述

GITR Ligand, also known as TNFSF18 and TL6, is an approximately 30 kDa type II transmembrane glycoprotein in the TNF superfamily. Human GITR Ligand consists of a 50 amino acid (aa) cytoplasmic domain, a 21 aa transmembrane segment, and a 128 aa extracellular domain (ECD). Within the ECD, human GITR Ligand shares 56% and 60% aa sequence identity with mouse and rat GITR Ligand, respectively. GITR Ligand is expressed on antigen presenting cells,

### 产品性质

别名 (Synonyms)	CD357; GITR; GITR-D; TNFRSF18; AITR
Uniprot No.	Q9Y5U5-1
表达区间及表达系统 (Source)	Recombinant Human GITR/TNFRSF18 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Gln26-Glu161.
分子量(Molecular Weight)	The protein has a predicted MW of 15.4 kDa. Due to glycosylation, the protein migrates to 25-28 kDa based on Tris-Bis PAGE result.
外观(Physical Appearance)	Sterile Filtered White lyophilized (freeze-dried) powder.
纯度 (Purity)	> 95% as determined by SDS-PAGE and HPLC
活性 (Activity)	<b>1.ELISA Data:</b> Immobilized Human GITR, His Tag at 1µg/ml (100µl/Well). Dose response curve for Biotinylated Human GITR Ligand Trimer, His Tag with the EC50 of 0.2µg/ml determined by ELISA.
	<b>2.ELISA Data:</b> Immobilized Human GITR, His Tag at 0.5µg (100µl/Well) on the plate. Dose response curve for Anti-GITR Antibody, hFc Tag with the EC50 of 7.0ng/ml determined by ELISA.
	<b>3.SPR Data:</b> Human GITR, His Tag captured on CM5 Chip via Anti-His Antibody can bind Human GITR Ligand Trimer, hFc Tag with an affinity constant of 4.76 nM as determined in SPR assay.
内毒素 (Endotoxin)	< 1.0 EU per 1µg of the protein by the LAL method.
制剂 (Formulation)	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶 (Reconstitution)	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

## 运输与保存方法

冰袋运输。-20°C至-80°C保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

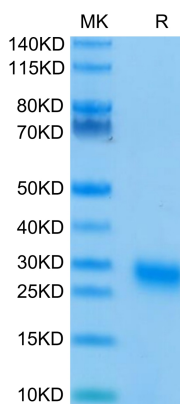
建议第一次使用时分装冻存，避免反复冻融。

## 注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

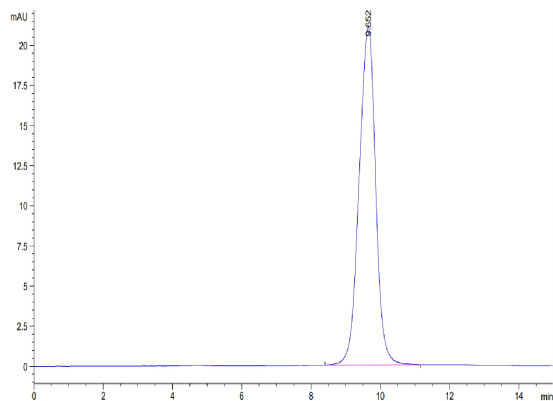
## 产品数据

### Tris-Bis PAGE



Human GITR on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

### SEC-HPLC

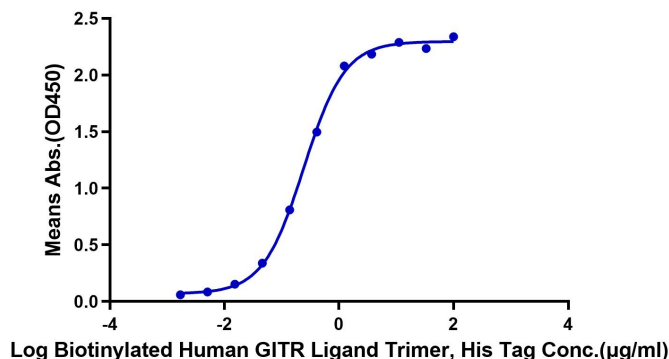


The purity of Human GITR is greater than 95% as determined by SEC-HPLC.

## ELISA Data

### Human GITR/TNFRSF18, His Tag ELISA

0.1 $\mu$ g Human GITR/TNFRSF18, His Tag Per Well

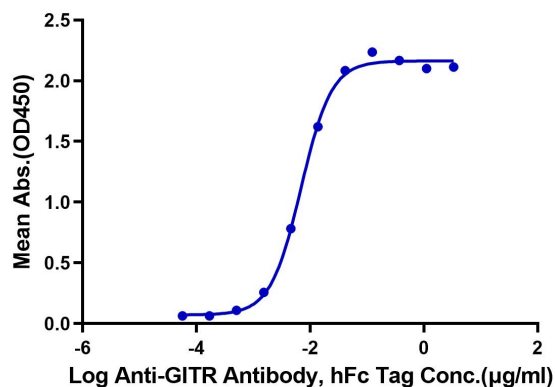


Immobilized Human GITR, His Tag at 1 $\mu$ g/ml (100 $\mu$ l/Well). Dose response curve for Biotinylated Human GITR Ligand Trimer, His Tag with the EC<sub>50</sub> of 0.2 $\mu$ g/ml determined by ELISA.

## ELISA Data

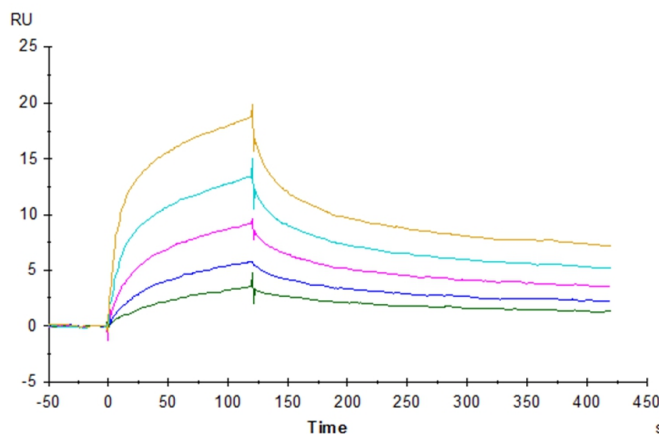
### Human GITR/TNFRSF18, His Tag ELISA

0.05 $\mu$ g Human GITR/TNFRSF18, His Tag Per Well



Immobilized Human GITR, His Tag at 0.5 $\mu$ g (100 $\mu$ l/Well) on the plate. Dose response curve for Anti-GITR Antibody, hFc Tag with the EC<sub>50</sub> of 7.0ng/ml determined by ELISA.

## SPR Data



Human GITR, His Tag captured on CM5 Chip via Anti-His Antibody can bind Human GITR Ligand Trimer, hFc Tag with an affinity constant of 4.76 nM as determined in SPR assay (Biacore T200)