

Recombinant Human LILRB4/CD85k/ILT3 (hFc Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human LILRB4/CD85k/ILT3 (hFc Tag)	93482ES20	20 µg
	93482ES60	100 µg
	93482ES76	500 µg
	93482ES80	1 mg

产品描述

LILRB4, also known as CD85k and LIR-5, ILT3, is an approximately 60 kDa transmembrane glycoprotein that negatively regulates immune cell activation. Mature human ILT3 consists of an extracellular domain (ECD) with two Ig-like domains, a transmembrane segment, and a cytoplasmic domain with 3 immunoreceptor tyrosine-based inhibitory motifs (ITIM). The mature ECD of human ILT3 shares 44% amino acid identity with mouse ILT3. Alternative splicing of human ILT3 generates an isoform that lacks the first ITIM and a secreted isoform that circulates in the serum of cancer patients. ILT3 is expressed on dendritic cells (DC), monocytes, macrophages, and vascular endothelial cells.

产品性质

别名 (Synonyms)	HM18, ILT3, ILT-3, LILRB4, LIR5, CD85K
Uniprot No.	AAH26309
表达区间及表达系统 (Source)	HEK293 Cells-derived Human LILRB4 / CD85k / ILT3 Protein, Gln22-Arg256 with hFc tag at the C-terminal
分子量 (Molecular Weight)	Approximately 52.6 kDa. Due to glycosylation, the protein migrates to 60-68 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)	1. ELISA Data: Immobilized Human LILRB4, hFc Tag at 0.2 µg/mL (100 µL/Well) on the plate. Dose response curve for Human Anti-LILRB4 Antibody, hFc Tag with the EC ₅₀ of 9.8 ng/mL determined by ELISA. 2. SPR Data: Human LILRB4, hFc Tag captured on CM5 Chip via Protein A can bind Human APOE, His Tag with an affinity constant of 115.9 nM as determined in SPR assay (Biacore T200).
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 1mg/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。

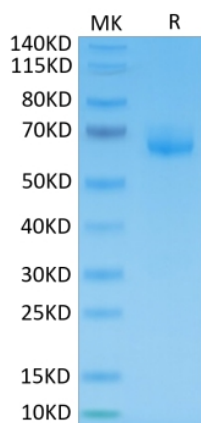
建议第一次使用时分装冻存，避免反复冻融。

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！

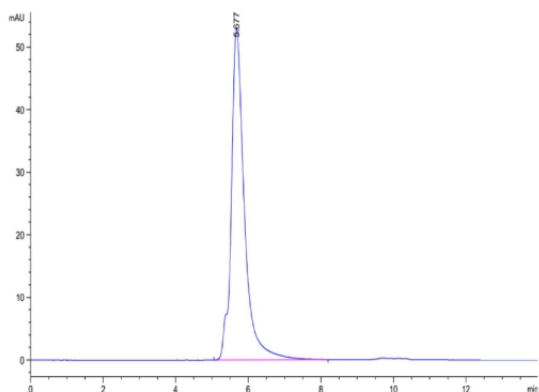
产品数据

Tris-Bis PAGE



Human LILRB4 on Tris-Bis PAGE under reduced condition.
The purity is greater than 95%.

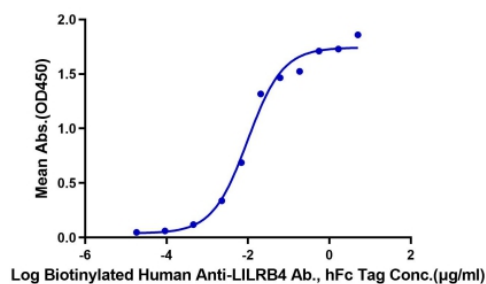
SEC-HPLC



The purity of Human LILRB4 is greater than 95% as determined by SEC-HPLC.

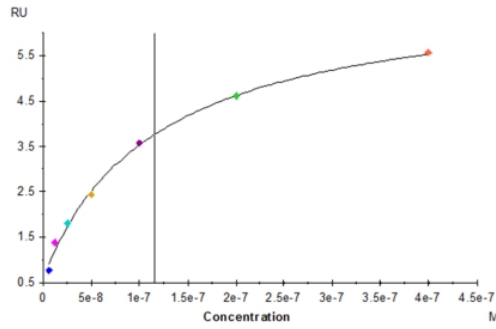
ELISA Data

Human LILRB4/CD85k/ILT3, hFc Tag ELISA
0.02 μ g Human LILRB4, hFc Tag Per Well



Immobilized Human LILRB4, hFc Tag at 0.2 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Human Anti-LILRB4 Antibody, hFc Tag with the EC₅₀ of 9.8 ng/mL determined by ELISA.

SPR Data



Human LILRB4, hFc Tag captured on CM5 Chip via Protein A can bind Human APOE, His Tag with an affinity constant of 115.9 nM as determined in SPR assay (Biacore T200).