

Recombinant Human LILRB2 / CD85d / ILT4 (hFc Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human LILRB2 / CD85d / ILT4 (hFc Tag)	93484ES20	20 µg
	93484ES60	100 µg
	93484ES76	500 µg
	93484ES80	1 mg

产品描述

ILT4, also known as CD85d, LIR-2, and LILRB2, is closely related to mouse PIR-B and is primarily expressed on monocytes, dendritic cells, and neutrophils. The ECD of human ILT4 shares 76% aa identity with chimpanzee ILT4 and 74%, 81%, 33%, 52%, 77%, 61%, and 64% aa identity with human ILT1, 2, 3, 5, 6, 7, and 8, respectively. ILT4 binds to classical MHC I proteins as well as the non-classical HLA-G1 and HLA-F molecules. It competes with CD8 alpha for MHC I binding but does not compete with KIR2DL1. Ligation of ILT4 induces tyrosine phosphorylation within its cytoplasmic ITIMs, association with SHP-1, and inhibition of stimulatory signaling. ILT4 activation promotes the development of tolerogenic dendritic cells and the subsequent induction of regulatory T cells and CD4+ T cell anergy.

产品性质

别名 (Synonyms)	CD85d, ILT4, ILT-4, ILT4CD85d, LILRB2, LIR2, MIR10
Uniprot No.	Q8N423-1
表达区间及表达系统 (Source)	Recombinant Human LILRB2 / CD85d / ILT4 Protein is expressed from HEK293 Cells with hFc tag at the C-terminal. It contains Gln22-His458.
分子量(Molecular Weight)	Approximately 74.1 kDa. Due to glycosylation, the protein migrates to 80-110 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. SPR Data: Human LILRB2, hFc tag captured on Protein A Chip can bind Human HLA-G Tetramer, His Tag with an affinity constant of 9.20 nM as determined in SPR assay (Biacore T200).
	2. SPR Data: Human LILRB2, hFc Tag captured on Protein A chip, can bind Human ANGPTL2, His Tag with an affinity constant of 0.14 µM as determined in a 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 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℃至-80℃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。

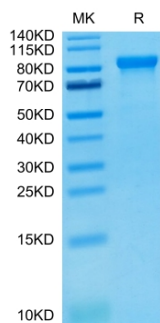
建议第一次使用时分装冻存，避免反复冻融。

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

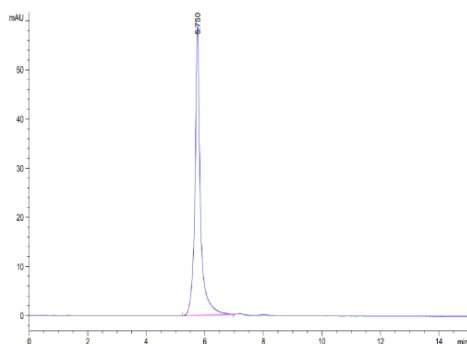
Tris-Bis PAGE



Human LILRB2 on Tris-Bis PAGE under reduced condition.

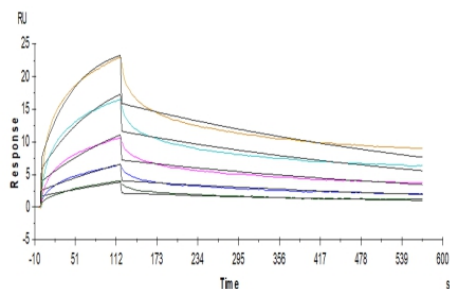
The purity is greater than 95%.

SEC-HPLC



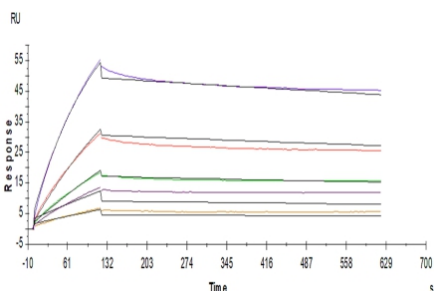
The purity of Human LILRB2 is greater than 95% as determined by SEC-HPLC.

SPR Data



Human LILRB2, hFc tag captured on Protein A Chip can bind Human HLA-G Tetramer, His Tag with an affinity constant of 9.20nM as determined in SPR assay (Biacore T200).

SPR Data



Human LILRB2, hFc Tag captured on Protein A chip, can bind Human ANGPTL2, His Tag with an affinity constant of 0.14μM as determined in a SPR assay (Biacore T200).