

Recombinant Human LILRA4/CD85g (His-Avi Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human LILRA4/CD85g (His-Avi Tag)	93490ES25	25 µg
	93490ES60	100 µg
	93490ES76	500 µg
	93490ES80	1 mg

产品描述

LILRA4, also known as ILT7 and CD85g, is an approximately 60-70 kDa variably glycosylated transmembrane protein that regulates immune cell activation. Mature human LILRA4 consists of a 423 amino acid (aa) extracellular domain (ECD) with four immunoglobulin-like domains, a 21 aa transmembrane segment, and a 32 aa cytoplasmic domain. Alternative splicing generates an additional isoform that lacks the signal peptide and a portion of the first Ig-like domain. LILRA4 is expressed on plasmacytoid dendritic cells (pDC) but is down-regulated in response to TLR9 signaling. Antibody mediated crosslinking of LILRA4 on pDC inhibits the production of type I interferons following TLR7 or TLR9 stimulation. It also blocks the up-regulation of CCR7 but enhances the up-regulation of Integrin beta 7 on TLR7/9-stimulated pDC. LILRA4 associates with the ITAM-containing adaptor protein Fc epsilon RI gamma, and this complex binds to cell surface BST2/Tetherin which is expressed on monocytes, plasmacytoid and myeloid dendritic cells, B cells, and activated CD4+ and CD8+ T cells. This interaction inhibits the TLR-induced pDC production of type I interferons, IL-6, and TNF-alpha.

产品性质

别名	CD85g; ILT7; ILT-7; ILT7MGC129598; LILRA4; MGC129597
Uniprot No.	P59901
表达区间及表达系统	Recombinant Human LILRA4/CD85g Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Glu24-Asn446.
分子量	Approximately 49.5 kDa. Due to glycosylation, the protein migrates to 60-75 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
复溶	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！

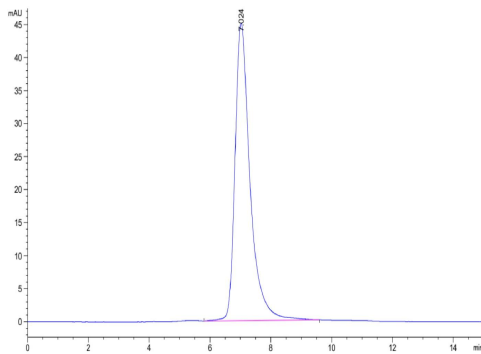
产品数据

Tris-Bis PAGE



Human LILRA4 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

SEC-HPLC



The purity of Human LILRA4 is greater than 95% as determined by SEC-HPLC.