

Recombinant Human LAG3/CD223 (His Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human LAG3/CD223 (His Tag)	93556ES20	20 µg
	93556ES60	100 µg
	93556ES76	500 µg
	93556ES80	1 mg

产品描述

LAG-3, is a protein which in humans is encoded by the LAG3 gene, which is a cell surface molecule with diverse biologic effects on T cell function. LAG-3 shares approximately 20% amino acid sequence homology with CD4, but has similar structure and binds to MHC class II with higher affinity, providing negative regulation of T cell receptor signaling. Human LAG-3 shares 70%, 67%, 76%, and 73% aa sequence identity with mouse, rat, porcine, and bovine LAG-3, respectively. LAG-3 is expressed on activated CD4⁺ and CD8⁺ T cells, NK cells, and plasmacytoid dendritic cells (pDC), but not on resting T cells. LAG-3 on activated CD4⁺CD25⁺ Treg cells plays a role in their suppressive activity. LAG-3 limits the expansion of activated T cells and pDC in response to selected stimuli.

产品性质

别名 (Synonyms)	CD223, FDC, LAG3, LAG-3, sLAG-3
Uniprot No.	P18627-1
表达区间及表达系统 (Source)	HEK293 Cells-derived Human LAG3 / CD223 Protein, Leu23-Gly434 with His tag at the C-terminal
分子量(Molecular Weight)	Approximately 45.5 kDa. Due to glycosylation, the protein migrates to 55-65 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 1.ELISA Data: Immobilized Human LAG3, His Tag at 0.5 µg/ml (100 µL/Well). Dose response curve for Anti-LAG3 Ab., hFc Tag with the EC ₅₀ of 0.17 µg/mL determined by ELISA.
活性 (Activity)	2.ELISA Data: Immobilized Human LAG3, His Tag at 1µg/mL (100 µL/Well) on the plate. Dose response curve for Human FGL1, hFc Tag with the EC ₅₀ of 2.3 µg/mL determined by ELISA.
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. 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.
复溶 (Reconstitution)	

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。

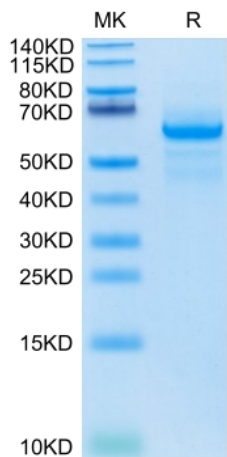
建议第一次使用时分装冻存，避免反复冻融。

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！

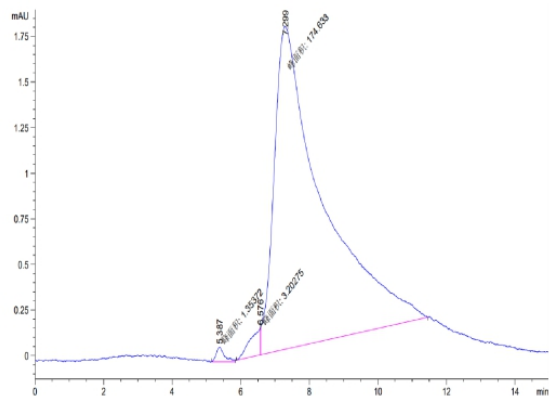
产品数据

Tris-Bis PAGE



Human LAG3 on Tris-Bis PAGE under reduced condition.
The purity is greater than 95%.

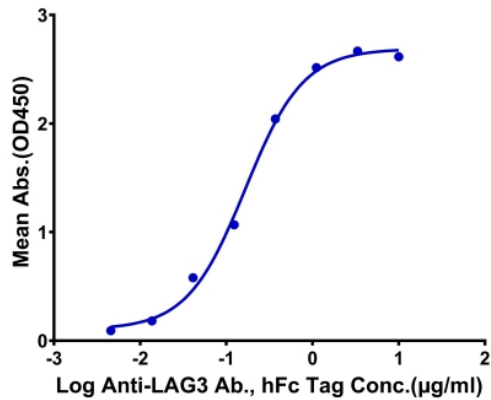
SEC-HPLC



The purity of Human LAG3 is greater than 95% as determined by SEC-HPLC.

ELISA Data

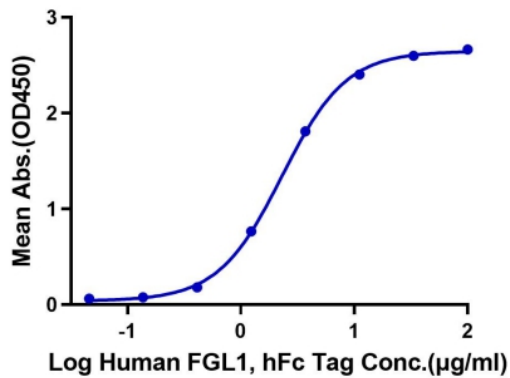
Human LAG3, His Tag ELISA
0.05 μ g Human LAG3, His Tag Per Well



Immobilized Human LAG3, His Tag at 0.5 μ g/mL (100 μ L/Well). Dose response curve for Anti-LAG3 Ab., hFc Tag with the EC₅₀ of 0.17 μ g/mL determined by ELISA.

ELISA Data

Human LAG3, His Tag ELISA
0.1 μ g Human LAG3, His Tag Per Well



Immobilized Human LAG3, His Tag at 1 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Human FGL1, hFc Tag with the EC₅₀ of 2.3 μ g/mL determined by ELISA.