

Recombinant Human ICOS/CD278 (His Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human ICOS/CD278 (His Tag)	94127ES20	20 µg
	94127ES60	100 µg
	94127ES76	500 µg
	94127ES80	1 mg

产品描述

Inducible co-stimulator (ICOS), also called AILIM (activation-inducible lymphocyte immunomediatory molecule) and CRP-1 (CD28-related protein-1), is a member of the growing CD28 family of immune costimulatory receptors. Human ICOS is a homodimeric type I transmembrane protein consisting of 199 amino acids (aa) with a putative 20 aa signal sequence, a 121 aa extracellular domain, a 23 aa transmembrane region, and a 35 aa cytoplasmic domain. ICOS shares approximately 39% amino acid similarity with CD28 and CTLA-4. Human and mouse ICOS share approximately 72% amino acid identity. ICOS enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells.

产品性质

别名 (Synonyms)	AILIM, CD278, CRP-1, CVID1, ICOS, MGC39850
Uniprot No.	Q9Y6W8
表达区间及表达系统 (Source)	HEK293 Cells-derived Human ICOS/CD278 Protein, Glu21-Gln134 with His tag at the C-terminal
分子量(Molecular Weight)	Approximately 14.6 kDa. Due to glycosylation, the protein migrates to 25-35 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)	ELISA Data: Immobilized Human ICOS, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human B7-H2, hFc Tag with the EC ₅₀ of 22.7ng/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 8% 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。

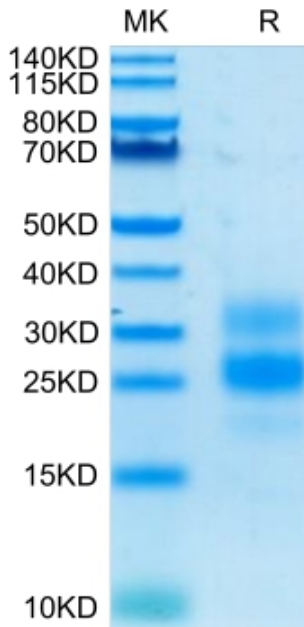
建议第一次使用时分装冻存，避免反复冻融。

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！

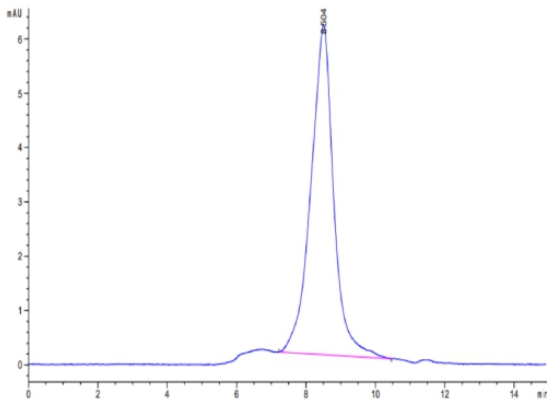
产品数据

Tris-Bis PAGE



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

SEC-HPLC

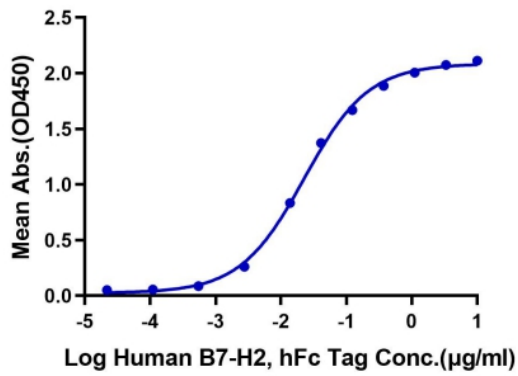


The purity of Human ICOS is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human ICOS, His Tag ELISA

0.05 μ g Human ICOS, His Tag Per Well



Immobilized Human ICOS, His Tag at 0.5 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Human B7-H2, hFc Tag with the EC50 of 22.7ng/ml determined by ELISA.