

Recombinant Human CD40/TNFRSF5 (His Tag)

产品信息

产品名称	产品编号	规格	价格 (元)
Recombinant Human CD40/TNFRSF5 (His Tag)	93552ES20	20 µg	895.00
	93552ES60	100 µg	2845.00
	93552ES76	500 µg	7895.00
	93552ES80	1 mg	15655.00

产品描述

CD40 Ligand, also known as TNFSF5, CD154, TRAP, or gp39, is a 33-39 kDa type II transmembrane glycoprotein member of the TNF superfamily. Mature mouse CD40 Ligand consists of a 22 aa cytoplasmic domain, a transmembrane segment, and a 214 aa extracellular region. The extracellular domain of mouse CD40 Ligand shares 75% and 93% aa sequence identity with the human and rat proteins, respectively. CD40 Ligand is expressed as a homotrimer on platelets and activated T cells and B cells. It is up-regulated following stimulation of basophils, eosinophils, fibroblasts, mast cells, monocytes, natural killer cells, vascular endothelial cells, and smooth muscle cells. CD40 Ligand binds and activates CD40, which is expressed on the surface of B cells, dendritic cells, macrophages, monocytes, platelets, endothelial cells, and epithelial cells. The 18 kDa soluble form (aa 112-260) arises from proteolytic processing and retains the ability to bind and activate CD40. Monomeric, dimeric, and trimeric forms of soluble CD40 Ligand bind to oligomeric CD40 on cell membranes. CD40 ligation by CD40 Ligand promotes B cell activation and T cell-dependent humoral responses.

产品性质

别名 (Synonyms)	CD40; CD40L receptor; TNFRSF5; CD40 antigen; CD40 molecule; CDw40; MGC9013;
Uniprot No.	P25942-1
表达区间及表达系统 (Source)	Recombinant Human CD40/TNFRSF5 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Glu21-Arg193.
分子量(Molecular Weight)	The protein has a predicted MW of 20 kDa. Due to glycosylation, the protein migrates to 35-40 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)	<p>1.ELISA Data: Immobilized Human CD40, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human CD40 Ligand (Trimer) , hFc Tag with the EC₅₀ of 0.13µg/ml determined by ELISA.</p> <p>2.ELISA Data: Immobilized Human CD40, His Tag at 0.2µg/ml (100µl/Well). Dose response curve for Anti-CD40 Antibody, hFc Tag with the EC₅₀ of 5.8ng/ml determined by ELISA.</p>
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°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。

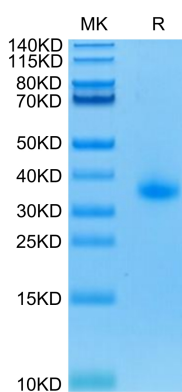
建议第一次使用时分装冻存，避免反复冻融。

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！

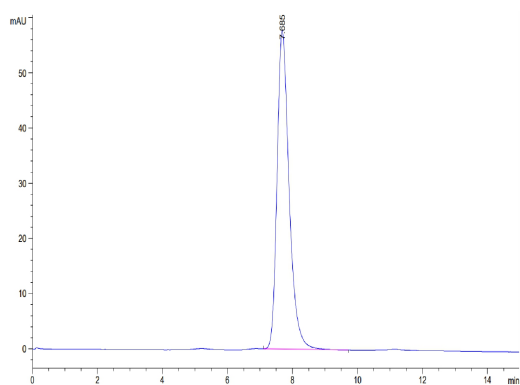
产品数据

Tris-Bis PAGE



Human CD40 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

SEC-HPLC

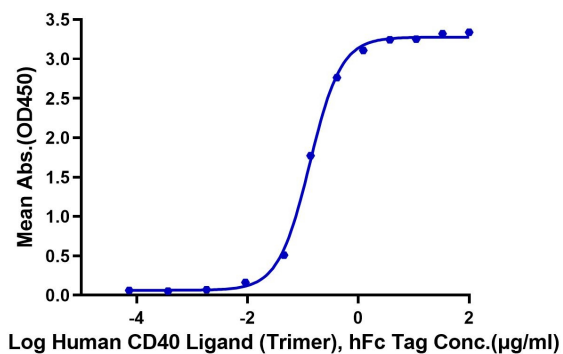


The purity of Human CD40 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CD40, His Tag ELISA

0.1 μ g Human CD40, His Tag Per Well

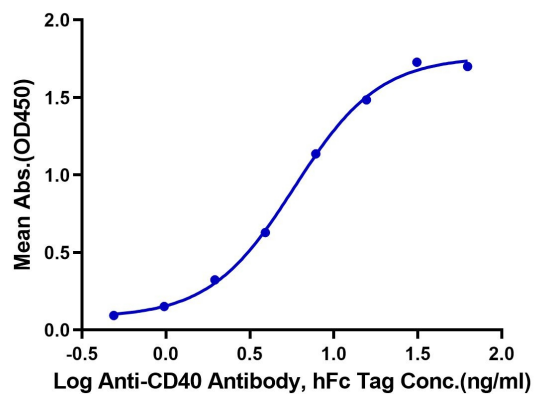


Immobilized Human CD40, His Tag at 1 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Human CD40 Ligand (Trimer), hFc Tag with the EC₅₀ of 0.13 μ g/ml determined by ELISA.

ELISA Data

Human CD40, His Tag ELISA

0.02 μ g Human CD40, His Tag Per Well



Immobilized Human CD40, His Tag at 0.2 μ g/ml (100 μ l/Well). Dose response curve for Anti-CD40 Antibody, hFc Tag with the EC₅₀ of 5.8ng/ml determined by ELISA.