

Biotinylated Recombinant Human CD40/TNFRSF5 (His-Avi Tag)

产品信息

产品名称	产品编号	规格
Biotinylated Recombinant Human CD40/TNFRSF5 (His-Avi Tag)	93587ES25	25 µg
	93587ES60	100 µg
	93587ES76	500 µg
	93587ES80	1 mg

产品描述

CD40, also known as TNFRSF5, is a 45-50 kDa type I transmembrane glycoprotein member of the TNF receptor superfamily. Mature human CD40 consists of a 173 amino acid (aa) extracellular domain, a transmembrane domain, and a 62 aa cytoplasmic domain. CD40 serves multiple functions in both hematopoietic and epithelial cancers and is a target for tumor immunotherapy. Dysregulation of CD40/CD40 Ligand expression and interactions contributes to the immune deficiency associated with HIV infection and AIDS. It is also implicated in the pathology of multiple cardiovascular diseases including atherosclerosis, atherothrombosis, and restenosis.

产品性质

别名	CD40; CD40L receptor; TNFRSF5; CD40 antigen; CD40 molecule; CDw40; MGC9013;
Uniprot No.	P25942
表达区间及表达系统	Recombinant Biotinylated Human CD40/TNFRSF5 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Glu21-Arg193.
分子量	Approximately 22.1 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	<p>ELISA Data: Immobilized Biotinylated Human CD40, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human CD40L, hFc Tag with the EC50 of 33ng/ml determined by ELISA.</p> <p>ELISA Data: Immobilized Biotinylated Human CD40, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD40 Antibody, hFc Tag with the EC50 of 9.9ng/ml determined by ELISA.</p> <p>Blocking Data: Serial dilutions of Anti-CD40 Antibody were added into Biotinylated Human CD40, His Tag : Human CD40 Ligand (Trimer) , hFc Tag binding reactions. The half maximal inhibitory concentration (IC50) is 2.0ug/ml.</p>
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% 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。

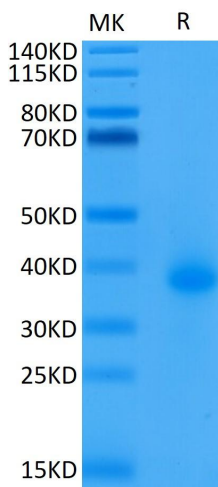
建议第一次使用时分装冻存，避免反复冻融。

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！

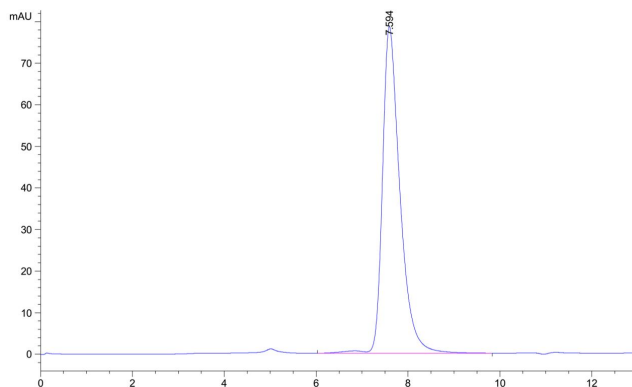
产品数据

Tris-Bis PAGE



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

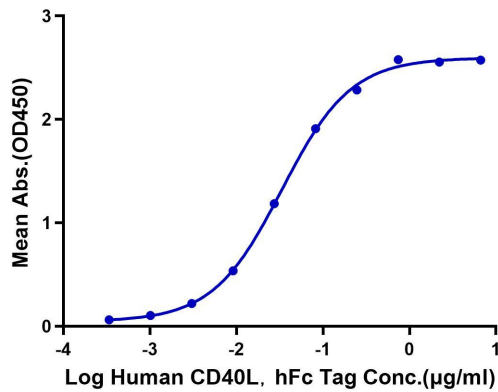
SEC-HPLC



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

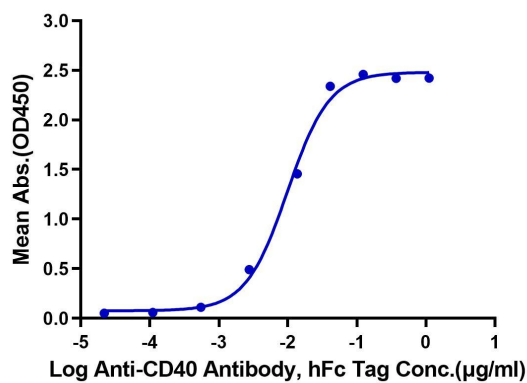
ELISA Data

Biotinylated Human CD40, His Tag ELISA
 0.1 μ g Biotinylated Human CD40, His Tag Per Well



Immobilized Biotinylated Human CD40, His Tag at 1 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Human CD40L, hFc Tag with the EC50 of 33ng/ml determined by ELISA.

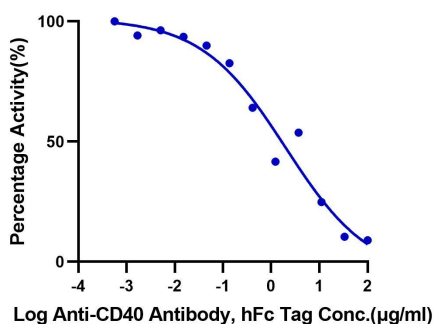
Biotinylated Human CD40, His Tag ELISA
 0.1 μ g Biotinylated Human CD40, His Tag Per Well



Immobilized Biotinylated Human CD40, His Tag at 1 μ g/ml (100 μ l/well) on the plate. Dose response curve for Anti-CD40 Antibody, hFc Tag with the EC50 of 9.9ng/ml determined by ELISA.

Blocking Data

Inhibition of Human CD40 Ligand (Trimer) and CD40 Binding
 0.5 μ g Human CD40 Ligand (Trimer), hFc Tag Per Well



Serial dilutions of Anti-CD40 Antibody were added into Biotinylated Human CD40, His Tag : Human CD40 Ligand (Trimer) , hFc Tag binding reactions. The half maximal inhibitory concentration (IC50) is 2.0 μ g/ml.