

Recombinant Human CD3E&CD3D/CD3 epsilon & CD3 delta (HisTag)

产品信息

产品名称	产品编号	规格
	93341ES60	100 µg
Recombinant Human CD3E&CD3D/CD3 epsilon & CD3 delta (His Tag)	93341ES76	500 µg
	93341ES80	1 mg

产品描述

T-cell surface glycoprotein CD3 epsilon & CD3 delta chain, also known as CD3E & CD3D, are single-pass type I membrane proteins. When antigen presenting cells (APCs) activate T-cell receptor (TCR), TCR-mediated signals are transmitted across the cell membrane by the CD3 chains CD3D, CD3E, CD3G and CD3Z. All CD3 chains contain immunoreceptor tyrosine-based activation motifs (ITAMs) in their cytoplasmic domain.

产品性质

别名 (Synonyms)	CD3; CD3e; CD3E; CD3d; T3D; CD3D; CD3E&CD3D; CD3 delta&CD3 epsilon
Uniprot No.	P07766(CD3E)&P04234(CD3D)
表达区间及表达系统 (Source)	Recombinant Human CD3E&CD3D/CD3 epsilon&CD3 delta Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Asp23-Glu120 (CD3E)&Phe22-Ala105 (CD3D).
分子量(Molecular Weight)	The protein has a predicted MW of 17.9 kDa (CD3E) and 16.7 kDa (CD3D). Due to glycosylation, the protein migrates to 18-25 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)	1.ELISA Data: Immobilized Human CD3E&CD3D at 2µg/ml (100µl/Well) on the plate. Dose response curve for OKT3, mFc Tag with the EC ₅₀ of 38ng/ml determined by ELISA. 2.ELISA Data: Immobilized Human CD3E&CD3D at 2ug/ml (100µl/Well). Dose response curve for Foralumab, hFc Tag with the EC ₅₀ of 18.5ng/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.
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。

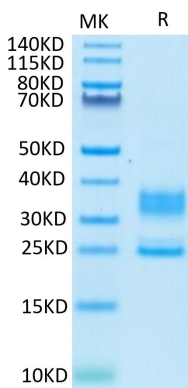
建议第一次使用时分装冻存，避免反复冻融。

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！

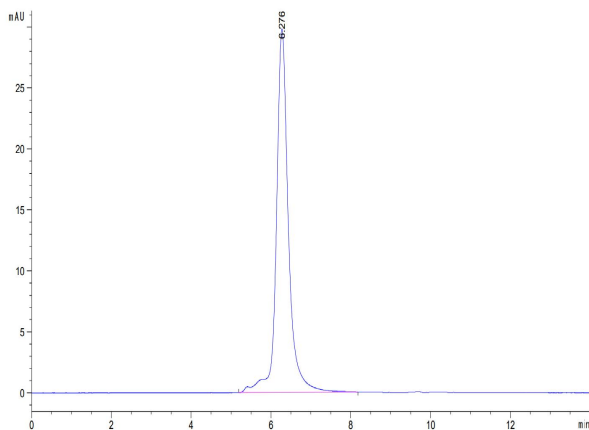
产品数据

Tris-Bis PAGE



Human CD3E&CD3D on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

SEC-HPLC

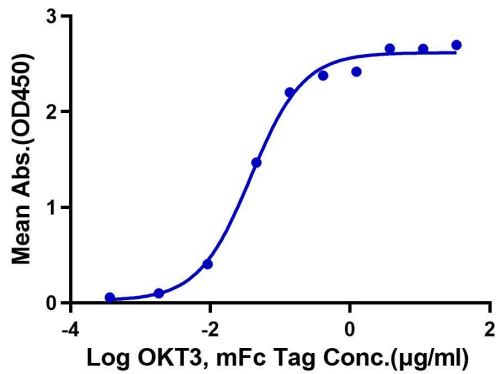


The purity of Human CD3E&CD3D is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CD3E&CD3D, His Tag ELISA

0.2 μ g Human CD3E&CD3D, His Tag Per Well

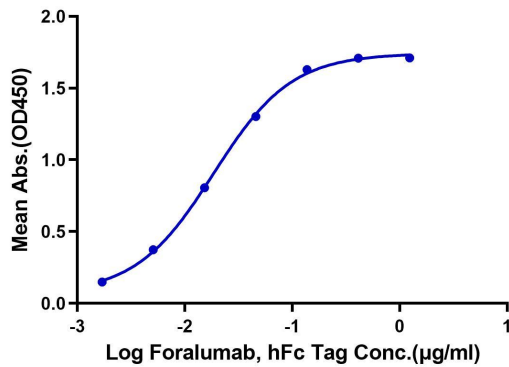


Immobilized Human CD3E&CD3D at 2 μ g/ml (100 μ l/Well) on the plate. Dose response curve for OKT3, mFc Tag with the EC₅₀ of 38ng/ml determined by ELISA.

ELISA Data

Human CD3E&CD3D, His Tag ELISA

0.2 μ g Human CD3E&CD3D, His Tag Per Well



Immobilized Human CD3E&CD3D at 2 μ g/ml (100 μ l/Well). Dose response curve for Foralumab, hFc Tag with the EC₅₀ of 18.5ng/ml determined by ELISA.