

Recombinant Human CD19 (His Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human CD19 (His Tag)	93105ES20	20 µg
	93105ES60	100 µg
	93105ES76	500 µg
	93105ES80	1 mg

产品描述

CD19 protein is a 95 kDa transmembrane glycoprotein that plays a central role in B cell activation and humoral immune responses. Within the ECD, human CD19 shares 57% amino acid sequence identity with mouse and rat CD19. It is required for the responsiveness of mature B cell to antigen stimulation, germinal center development, and antibody affinity maturation. CD19 polymorphisms and up-regulation can lead to the development of autoimmunity by promoting autoantibody production. CD19 has emerged as promising therapeutic target for hematologic cancers and solid tumors. Immunotherapy using a chimeric antigen receptor (CAR) targeting CD19 has proven effective in many different cancers.

产品性质

别名 (Synonyms)	CD19, B4, CVID3, Leu-12, MGC12802
Uniprot No.	P15391-1
表达区间及表达系统 (Source)	Recombinant Human CD19 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Pro20-Lys291.
分子量(Molecular Weight)	Approximately 34.7 kDa. Due to glycosylation, the protein migrates to 50-60 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
活性 (Activity)	ELISA Data: Immobilized Human CD19 Protein at 5 µg/mL can bind different Anti-CD19 Antibodies with high affinity.
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。

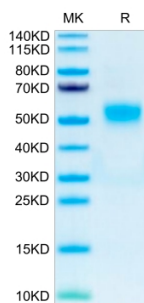
建议第一次使用时分装冻存，避免反复冻融。

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！

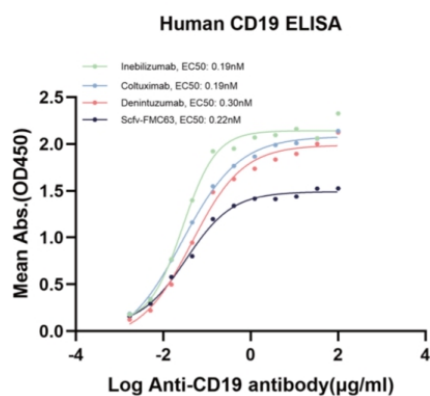
产品数据

Tris-Bis PAGE



Human CD19 on Tris-Bis PAGE under reduced condition.
The purity is greater than 95%.

ELISA Data



Immobilized Human CD19 Protein at 5 µg/mL can bind different
Anti-CD19 Antibodies with high affinity.