

Recombinant Human CD79B (His-Avi Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human CD79B (His-Avi Tag)	93756ES20	20 µg
	93756ES60	100 µg
	93756ES76	500 µg
	93756ES80	1 mg

产品描述

CD79B (also known as B29, Ig beta and B cell antigen receptor complex-associated protein beta-chain) is a 36-40 kDa member of the Ig-Superfamily. It is expressed on B cells, and forms a covalent heterodimer with CD79A. This complex interacts non-covalently with membrane Ig, forming the B cell antigen receptor. Within this complex, membrane Ig detects antigen while CD79AB initiates signaling. Mature human CD79B is a 201 amino acid (aa) type I transmembrane glycoprotein (aa 29-229). It contains an extracellular region with one V-type Ig-like domain (aa 38-138) and an ITAM-containing cytoplasmic domain (aa 185-213). There is an alternative splice form that shows a deletion of aa 41-144 and appears after B cell activation. Human CD79A and B share only 26% aa identity. Over aa 29-159, human CD79B shares 54% aa identity with mouse CD79B.

产品性质

别名 (Synonyms)	B29; CD79b molecule; CD79B; IGB; IGBAGM6; Ig-beta; Ig-β
Uniprot No.	P40259-1
表达区间及表达系统 (Source)	Recombinant Human CD79B Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Ala29-Asp159.
分子量(Molecular Weight)	The protein has a predicted MW of 18.1 kDa. Due to glycosylation, the protein migrates to 33-42 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 CD79B, His Tag at 0.5µg/ml (100µl/Well). Dose response curve for Anti-CD79b Ab., hFc Tag with the EC50 of 15.3ng/ml determined by ELISA. Batch to Batch Consistency: Immobilized Human CD79B, His Tag at 0.5µg/ml (100µl/Well). Dose response curve for Anti-CD79B Ab., hFc Tag with the EC50 of 15.9/15.3/15.2ng/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。

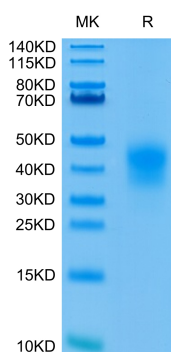
建议第一次使用时分装冻存，避免反复冻融。

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！

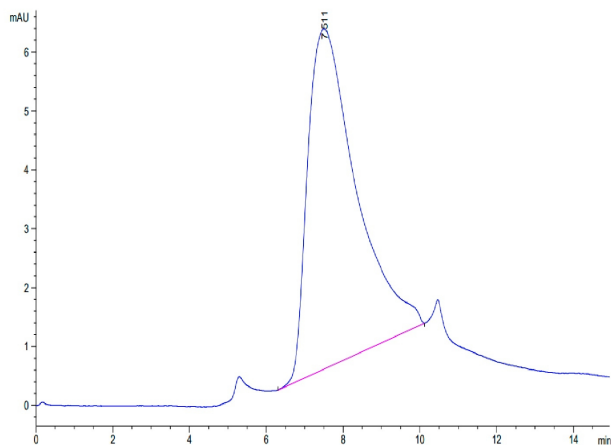
产品数据

Tris-Bis PAGE



Human CD79B on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

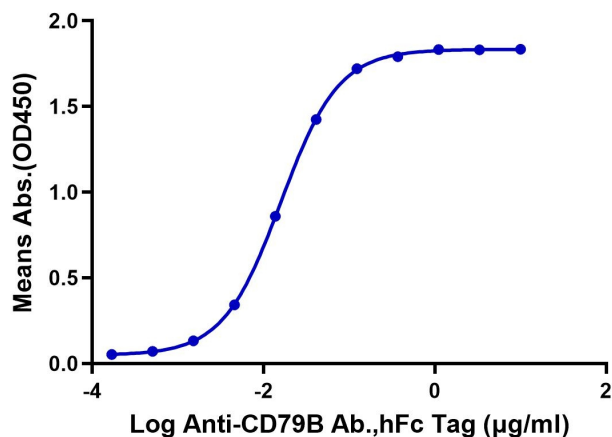
SEC-HPLC



The purity of Human CD79B is greater than 95% as determined by SEC-HPLC.

ELISA Data

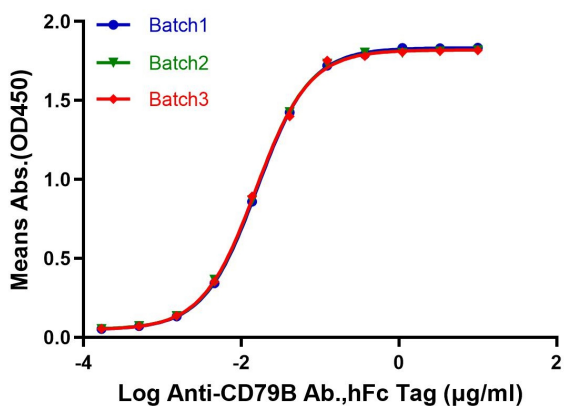
Human CD79B, His Tag ELISA
 0.05µg Human CD79B, His Tag Per Well



Immobilized Human CD79B, His Tag at 0.5µg/ml (100µl/Well). Dose response curve for AntiCD79b Ab, hFc Tag with the EC₅₀ of 15.3ng/ml determined by ELISA.

Batch to Batch Consistency

Human CD79B, His Tag ELISA
 0.05µg Human CD79B, His Tag Per Well



Immobilized Human CD79B, His Tag at 0.5µg/ml (100µl/Well). Dose response curve for AntiCD79B Ab., hFc Tag with the EC₅₀ of 15.9/15.3/15.2ng/ml determined by ELISA.