

Recombinant Human CD200/OX2 (His Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human CD200/OX2 (His Tag)	93766ES25	25 µg
	93766ES60	100 µg
	93766ES76	500 µg
	93766ES80	1 mg

产品描述

CD200, also known as OX-2, is a 45 kDa transmembrane immunoregulatory protein that belongs to the immunoglobulin superfamily. CD200 is widely but not ubiquitously expressed. Its receptor (CD200R) is restricted primarily to mast cells, basophils, macrophages, and dendritic cells, which suggests myeloid cell regulation as the major function of CD200. CD200 knockout mice are characterized by increased macrophage number and activation and are predisposed to autoimmune disorders. CD200 and CD200R associate via their respective N-terminal Ig-like domains. In myeloid cells, CD200R initiates inhibitory signals following receptor-ligand contact. In T cells, however, CD200 functions as a costimulatory molecule independent of the CD28 pathway. Several additional CD200R-like molecules have been identified in human and mouse, but their capacity to interact with CD200 is controversial. Several viruses encode CD200 homologs which are expressed on infected cells during the lytic phase. Like CD200 itself, viral CD200 homologs also suppress myeloid cell activity, enabling increased viral propagation.

产品性质

别名	CD200; MOX1; MOX2; My033; MRC; OX-2; OX2
Uniprot No.	P41217.1
表达区间及表达系统	Recombinant Human CD200/OX-2 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Gln31-Gly232.
分子量	Approximately 23.5 kDa. Due to glycosylation, the protein migrates to 40-60 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	ELISA Data: Immobilized Human CD200 at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human CD200 R1, hFc Tag with the EC50 18ng/ml determined by ELISA.
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！

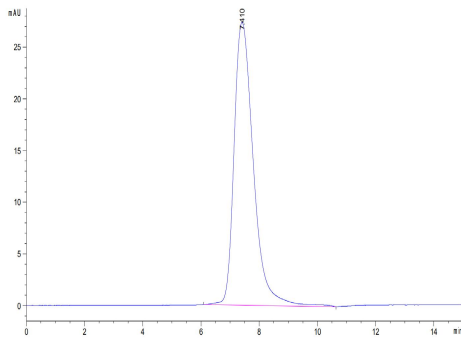
产品数据

Tris-Bis PAGE



Human CD200 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

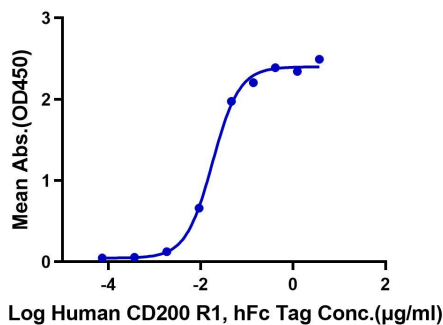
SEC-HPLC



The purity of Human CD200 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CD200, His Tag ELISA
0.05 μ g Human CD200, His Tag Per Well



Immobilized Human CD200 at 0.5 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Human CD200 R1, hFc Tag with the EC50 18ng/ml determined by ELISA.