

Recombinant Human CD45/PTPRC (His Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human CD45/PTPRC (His Tag)	94149ES25	25 µg
	94149ES60	100 µg
	94149ES76	500 µg
	94149ES80	1 mg

产品描述

CD45, previously called LCA (leukocyte common antigen), T200, or Ly5 in mice, is member C of the class 1 (receptor-like) protein tyrosine phosphatase family (PTPRC). It is a variably glycosylated 180-220 kDa transmembrane protein that is abundantly expressed on all nucleated cells of hematopoietic origin. Galectin interaction can be fine-tuned by varying usage of the heavily O-glycosylated spliced regions and sialylation of N-linked carbohydrates. Within the IS, CD45 dephosphorylates and negatively regulates the Src family kinase, Lck. In other leukocytes, CD45 influences differentiation and links immunoreceptor signaling with cytokine secretion and cell survival, partially overlapping in function with DEP-1/CD148. CD45 deletion causes in severe immunodeficiency, while point mutations may be associated with autoimmune disorders.

产品性质

别名	L-CA; CD45; T200; PTPRC; B220; CD45R; GP180; LCA; LY5; EC 3.1.3.48
Uniprot No.	P08575.3
表达区间及表达系统	Recombinant Human CD45/PTPRC Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Gln26-Lys577.
分子量	Approximately 61.9 kDa. Due to glycosylation, the protein migrates to 118-150 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
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 8% 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。

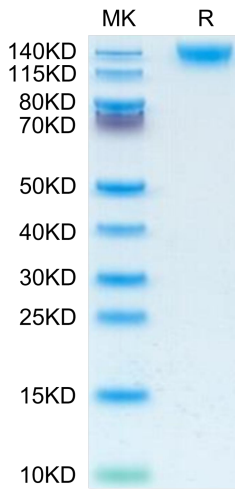
建议第一次使用时分装冻存，避免反复冻融。

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！

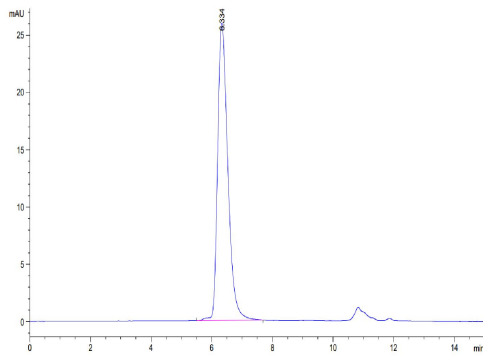
产品数据

Tris-Bis PAGE



Human CD45/PTPRC on Tris-Bis PAGE under reduced condition.
The purity is greater than 95%.

SEC-HPLC



The purity of Human CD45/PTPRC is greater than 95% as determined by SEC-HPLC.