

Recombinant Human CD84/SLAMF5 (His-Avi Tag)

产品信息

| 产品名称 | 产品编号 | 规格 |
|---|-----------|--------|
| Recombinant Human CD84/SLAMF5 (His-Avi Tag) | 93588ES25 | 25 µg |
| | 93588ES60 | 100 µg |
| | 93588ES76 | 500 µg |
| | 93588ES80 | 1 mg |

产品描述

CD84, also known as Ly-9B and SLAMF5, is a type I transmembrane protein in the SLAM subgroup of the CD2 family. SLAM family proteins regulate multiple aspects of immune system function. Mature human CD84 consists of a 204 amino acid (aa) extracellular domain (ECD) with two Ig-like domains, a 21 aa transmembrane segment, and a 99 aa cytoplasmic domain with two immunoreceptor tyrosine-based switch motifs (ITSMs). Alternate splicing generates a soluble ECD, an isoform that lacks the first Ig-like domain, and additional isoforms with deletions in the cytoplasmic domain. CD84 exhibits homophilic binding which is mediated by the N-terminal Ig-like domain. Ligation induces tyrosine phosphorylation in the cytoplasmic ITSMs which then recruit the signaling adaptor molecules SAP (SLAM-associated protein) and EAT-2 (EWS/Fli1-activated transcript 2). CD84 is expressed as a 60-90 kDa molecule with extensive and cell type-specific glycosylation. It is widely expressed among hematopoietic cells including hematopoietic stem cells, myeloid cells (e.g. macrophages, monocytes, dendritic cells, granulocytes, and mast cells), platelets and megakaryocytes, and lymphocytes. Within the T cell lineage, CD84 is expressed on thymocytes, CD4-CD8⁺ cells, single positive CD4 or CD8 cells, NKT cells, and on mouse but not human NK cells.

产品性质

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| 别名 | Hly9-beta; CD84; SLAMF5; LY9B; CD84 molecule; DKFZp781E2378;Hly9-β |
| Uniprot No. | Q9UIB8.1 |
| 表达区间及表达系统 | Recombinant Human CD84/SLAMF5 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Lys22-Gly225. |
| 分子量 | Approximately 25.4 kDa. Due to glycosylation, the protein migrates to 40-55 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 0.22µm 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。

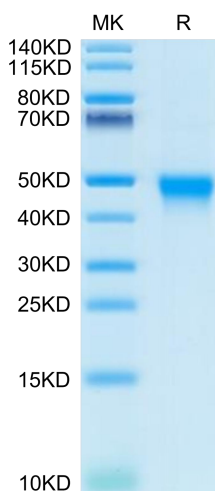
建议第一次使用时分装冻存，避免反复冻融。

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！

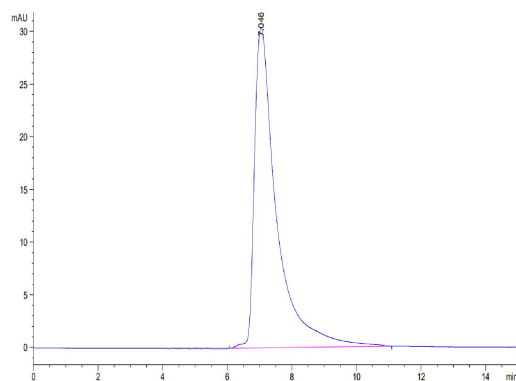
产品数据

Tris-Bis PAGE



Human CD84 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human CD84 is greater than 95% as determined by SEC-HPLC.