

Recombinant Mouse CD155/PVR (His Tag)

产品信息

| 产品名称 | 产品编号 | 规格 |
|---------------------------------------|-----------|--------|
| Recombinant Mouse CD155/PVR (His Tag) | 93584ES25 | 25 µg |
| | 93584ES60 | 100 µg |
| | 93584ES76 | 500 µg |
| | 93584ES80 | 1 mg |

产品描述

CD155, also known as PVR (poliovirus receptor), Necl-5 (nectin-like molecule-5) and, in rodents, TAGE4 (tumor-associated glycoprotein E4), is a 70-kDa type I transmembrane glycoprotein in the nectin-related family of adhesion proteins within the immunoglobulin superfamily. CD155 binds other molecules including Vitronectin, Nectin-3, DNAM-1/CD226, CD96, and TIGIT but does not bind homotypically. The V-type domain of CD155 mediates all binding, including to polio virus, and alternative splicing within this domain in humans can modulate ligand binding. Human CD155 can also be spliced to generate secreted isoforms. CD155 is up-regulated on endothelial cells by IFN-gamma and is highly expressed on immature thymocytes, lymph node dendritic cells, and tumor cells of epithelial and neuronal origin. It is preferentially expressed on Th17 cells compared to Th2 cells, and its activation promotes the development of Th1 responses. On migrating cells, CD155 is concentrated at the leading edge, where it binds basement membrane Vitronectin, recruits Nectin-3-expressing cells, and cooperates with PDGF and Integrin alpha v beta 3 to promote cell migration. Enhanced CD155 expression in tumor cells contributes to loss of contact inhibition and increased migration but also allows tumor cell recognition and killing by DNAM-1 or CD96 expressing NK cells.

产品性质

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| 别名 | CD155; HVED; NECL5; Necl-5; nectin-like 5; PVR; PVS; TAGE4; PVSFLJ25946; FLJ25946 |
| Uniprot No. | Q8K094.1 |
| 表达区间及表达系统 | Recombinant Mouse CD155/PVR Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Asp29-Leu348. |
| 分子量 | Approximately 35.9 kDa. Due to glycosylation, the protein migrates to 55-75 kDa based on Tris-Bis PAGE result. |
| 纯度 | > 95% as determined by SDS-PAGE and HPLC. |
| 活性 | ELISA Data: Immobilized Mouse CD155, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Mouse TIGIT, hFc Tag with the EC50 of 0.42µg/ml determined by ELISA. SPR Data: Mouse CD155, His Tag immobilized on CM5 Chip can bind Mouse TIGIT, His Tag with an affinity constant of 4.00 µM as determined in SPR assay (Biacore T200). |
| 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。

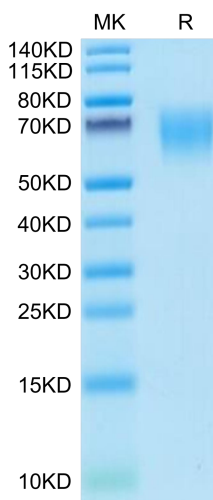
建议第一次使用时分装冻存，避免反复冻融。

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！

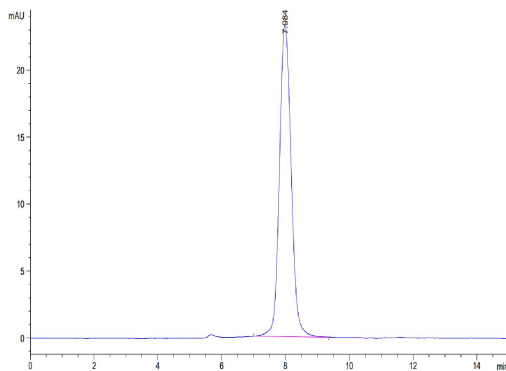
产品数据

Tris-Bis PAGE



Mouse CD155 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

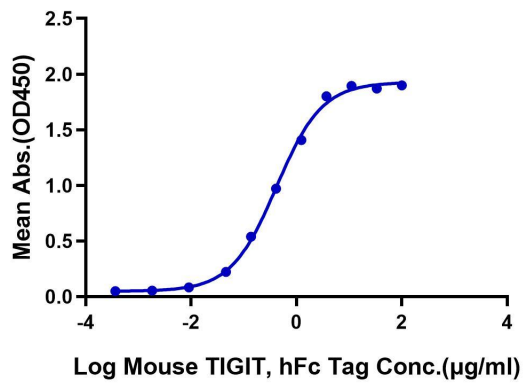


The purity of Mouse CD155 is greater than 95% as determined by SEC-HPLC.

ELISA Data

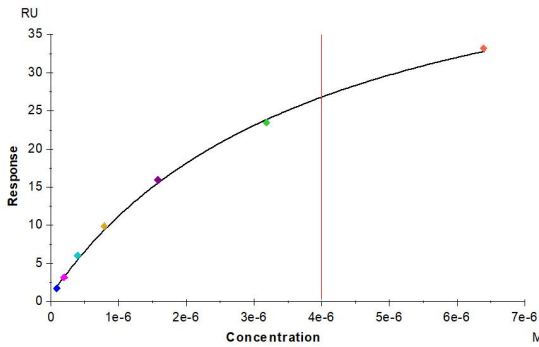
Mouse CD155, His Tag ELISA

0.05 μ g Mouse CD155, His Tag Per Well



Immobilized Mouse CD155, His Tag at 0.5 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Mouse TIGIT, hFc Tag with the EC50 of 0.42 μ g/ml determined by ELISA.

SPR Data



Mouse CD155, His Tag immobilized on CM5 Chip can bind Mouse TIGIT, His Tag with an affinity constant of 4.00 μ M as determined in SPR assay (Biacore T200).