

Recombinant Mouse Fc gamma RIII/CD16 (His Tag)

产品信息

产品名称	产品编号	规格
Recombinant Mouse Fc gamma RIII/CD16 (His Tag)	93448ES25	25 µg
	93448ES60	100 µg
	93448ES76	500 µg
	93448ES80	1 mg

产品描述

Receptors for the Fc region of IgG (Fc gamma Rs) are members of the Ig superfamily that function in the activation or inhibition of immune responses such as degranulation, phagocytosis, ADCC (antibody-dependent cellular toxicity), cytokine release, and B cell proliferation. The Fc gamma Rs have been divided into three classes based on close relationships in their extracellular domains; these groups are designated Fc gamma RI (also known as CD64), Fc gamma RII (CD32), and Fc gamma RIII (CD16). Each group may be encoded by multiple genes and exist in different isoforms depending on species and cell type. The only inhibitory member in human and mouse, Fc gamma RIIB, has an intrinsic cytoplasmic immunoreceptor tyrosine-based inhibitory motif (ITIM). The coordinated functioning of activating and inhibitory receptors is necessary for successful initiation, amplification, and termination of immune responses. Mouse CD16 is encoded by a single gene. The protein product is a type I transmembrane protein having two extracellular Ig-like domains. It is expressed on a variety of myeloid and lymphoid cells and associates with Fc R gamma to deliver an activating signal upon ligand binding.

产品性质

别名	IgG Fc receptor III; Fc-gamma RIII; FcRIII; FCGR3; CD16; CD16A; FCG3; FcgRIII; FCR-10; FCRIIIA; IGFR3; IMD20
Uniprot No.	Q5D5I8
表达区间及表达系统	Recombinant Mouse Fc gamma RIII/CD16 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Leu32-Thr215.
分子量	Approximately 22.2 kDa. Due to glycosylation, the protein migrates to 40-48 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	SPR Data: OKT3 captured on CM5 Chip via Protein A can bind Mouse Fc gamma RIII, His Tag with an affinity constant of 0.194 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 0.22µm 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。

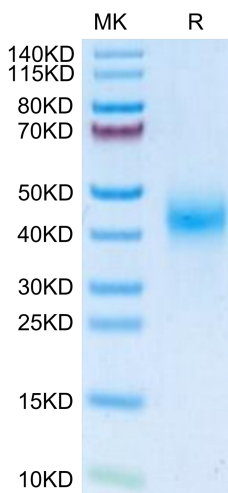
建议第一次使用时分装冻存，避免反复冻融。

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！

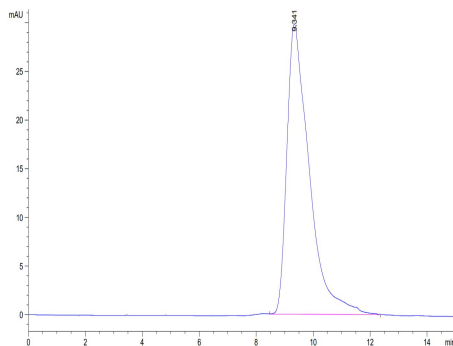
产品数据

Tris-Bis PAGE



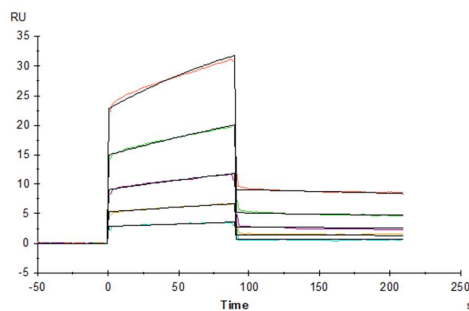
Mouse Fc gamma RIII on Tris-Bis PAGE under reduced condition.
The purity is greater than 95%.

SEC-HPLC



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

SPR Data



OKT3 captured on CM5 Chip via Protein A can bind Mouse Fc gamma RIII, His Tag with an affinity constant of 0.194 μM as determined in SPR assay (Biacore T200).