

Biotinylated Human Fc gamma RIIIB/CD16b (NA2) Protein, His-Avi Tag

产品信息

产品名称	产品编号	规格
Biotinylated Human Fc gamma RIIIB/CD16b (NA2) Protein, His-Avi Tag	93452ES60	100 µg
	93452ES76	500 µg

产品描述

Receptors for the Fc region of IgG (Fc gamma R) are members of the Ig superfamily. Based on their genetic organization and molecular structure, three classes of human Fc gamma Rs: RI (CD64), RII (CD32), and RIII (CD16), which generate multiple isoforms, are recognized. Two genes for human Fc gamma RIII, A and B, encoding a transmembrane receptor and a glycosylphosphatidylinositol (GPI) anchored protein, respectively, have been identified.

产品性质

Synonyms	CD16; Fc gamma RIIIB; FCG3; FCGR3B; FcgRIIIB; FCRIIIB; IGFR3; CD16b (NA2); CD16B; FCG3B; FCG3; FCGR3; FCR-10
Accession	O75015-1
Source	Recombinant Biotinylated Human Fc gamma RIIIB/CD16b (NA2) Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Gly17-Ser200. The CD16b NA1 differ with the CD16b NA2 in AA36, 65, 82, and 106. The CD16b NA1 form carries R36, N65, D82, and V106, while the CD16b NA2 form carries S36, S65, N82, and I106.
Molecular Weight	The protein has a predicted MW of 23.7 kDa. Due to glycosylation, the protein migrates to 47-53 kDa based on Tris-Bis PAGE result.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 95% as determined by SDS-PAGE and HPLC
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

运输与保存方法

The products are shipped with ice pack and can be stored at -20°C for 1 year.

2-7 days, 2 to 8 °C under sterile conditions after reconstitution.

3 -6 months, -20 to -80°C under sterile conditions after reconstitution.

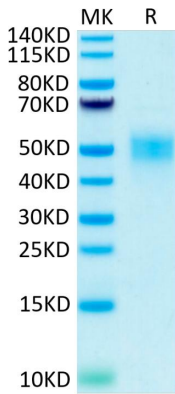
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

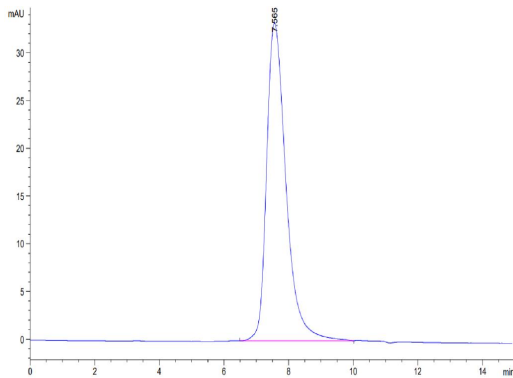
产品数据

Tris-Bis PAGE



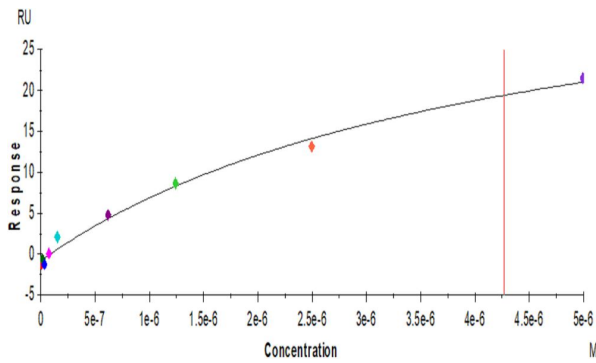
Biotinylated Human Fc gamma RIIIB (NA2) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human Fc gamma RIIIB (NA2) is greater than 95% as determined by SEC-HPLC.

SPR Data



Biotinylated Human Fc gamma RIIIB (NA2), His Tag captured on CM5 Chip via Anti-His Antibody can bind Rituximab, hFc Tag with an affinity constant of 4.3 μ M as determined in SPR assay (Biacore T200).