

Biotinylated Human EGFRVIII Protein, His-Avi Tag

产品信息

产品名称	产品编号	规格
Biotinylated Human EGFRVIII Protein, His-Avi Tag	93142ES60	100 µg
	93142ES76	500 µg
	93142ES80	1 mg

产品描述

The epidermal growth factor receptor (EGFR) subfamily of receptor tyrosine kinases comprises four members: EGFR (also known as HER1, ErbB1 or ErbB), ErbB2 (Neu, HER2), ErbB3 (HER3), and ErbB4 (HER4). The amino acid 25-378 of EGFR encodes the most common extracellular domain truncation mutant, termed EGFRvIII. It has been proved that EGFRvIII is relevant in a number of cancer types. EGFRvIII is tumor specific, and has not been found in normal tissues. EGFRvIII is highly tumorigenic, and can cause aggressive tumor phenotype, with increased invasion, proliferation, angiogenesis, and evasion of apoptosis. This EGFRvIII-mediated enhanced tumorigenicity combined with the lack of EGFRvIII expression in normal tissue makes it an ideal therapeutic targets.

产品性质

Synonyms	ErbB; EC 2.7.10; EC 2.7.10.1; EGFR; mENA; LEGFR; ERBB; ERBB1; HER1; PIG61; NISBD2
Accession	NP_001333870.1
Source	Recombinant Biotinylated Human EGFRVIII Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Leu25-Ser378.
Molecular Weight	The protein has a predicted MW of 41.6 kDa. Due to glycosylation, the protein migrates to 65-78 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.

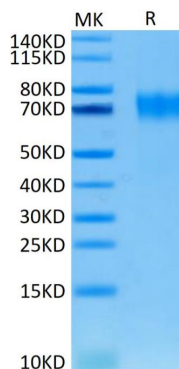
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

注意事项

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

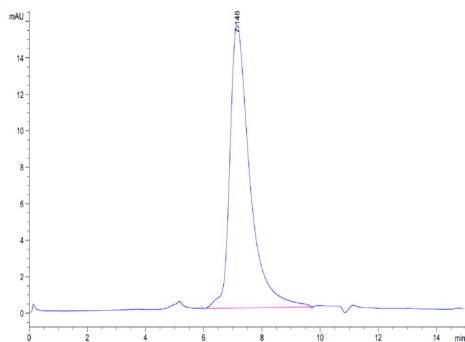
产品数据

Tris-Bis PAGE



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

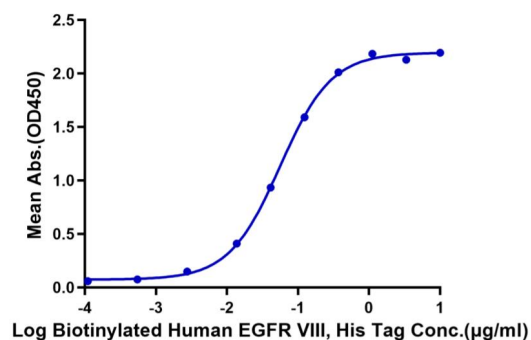
SEC-HPLC



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

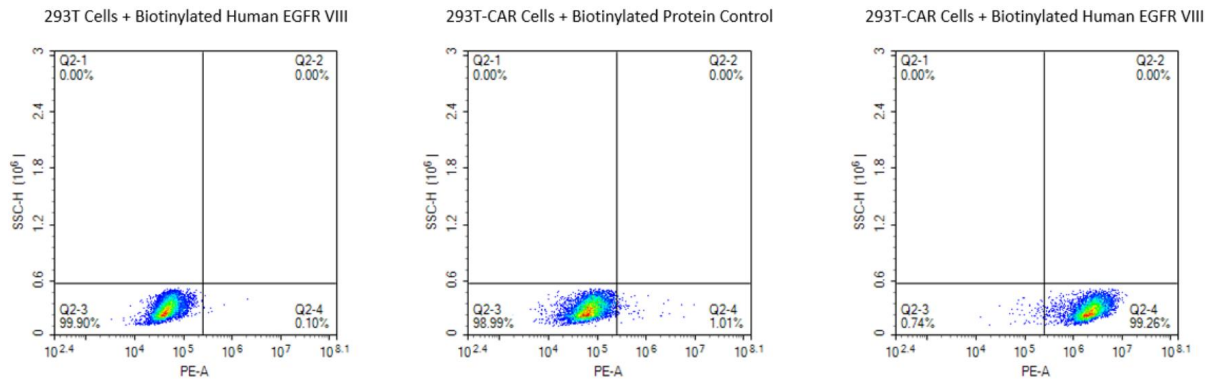
ELISA Data

Biotinylated Human EGFR VIII, His Tag ELISA
0.1 μ g Anti-EGFR VIII Anitibody, hFc Tag Per Well



Immobilized Anti-EGFR VIII Anitibody, hFc Tag at 1 μ g/mL (100 μ l/well) on the plate. Dose response curve for Biotinylated Human EGFR VIII, His Tag with the EC₅₀ of 56.1ng/mL determined by ELISA.

FACS Data



Use Biotinylated Human EGFRVIII, His Tag protein to detect the expression rate of Anti-EGFRVIII-CAR positive cell. 293T cells and anti-EGFRVIII CAR-293T cells were incubated with Biotinylated human EGFR VIII-His Tag. Non-transfected 293T cells and Biotinylated protein control were used as negative control. SA-PE was used to evaluate the binding activity of Biotinylated Human EGFR VIII.