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Datasheet for ABIN7274518

EGFRviii Protein (AA 25-378) (His-Avi Tag,Biotin)

4 Images

Overview

Quantity:	100 µg
Target:	EGFRviii (EGFRv3)
Protein Characteristics:	AA 25-378
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EGFRviii protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human EGFRVIII Protein
Sequence:	Leu25-Ser378
Characteristics:	Recombinant Biotinylated Human EGFRVIII Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Leu25-Ser378.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Biotinylated Human EGFRVIII, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-EGFRVIII Antibody, hFc Tag with the EC50 of 16.1ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	EGFRviii (EGFRv3)
Alternative Name:	EGFRVIII (EGFRv3 Products)
Background:	The epidermal growth factor receptor (EGFR) is overexpressed in a variety of human epithelial tumors, often as a consequence of gene amplification. Tumors with EGFR gene amplification frequently contain EGFR gene rearrangements, with the most common extracellular domain mutation being EGFRVIII. This mutation leads to a deletion of exons 2-7 of the EGFR gene and renders the mutant receptor incapable of binding any known ligand.
Molecular Weight:	41.6 kDa. Due to glycosylation, the protein migrates to 60-78 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_001333870

Application Details

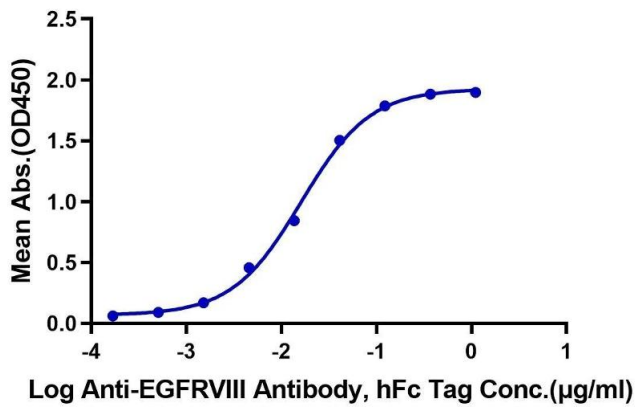
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

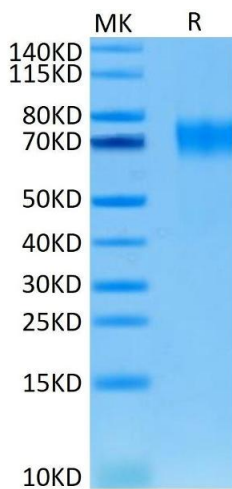
Biotinylated Human EGFRVIII, His Tag ELISA

0.05µg Biotinylated Human EGFRVIII, His Tag Per Well



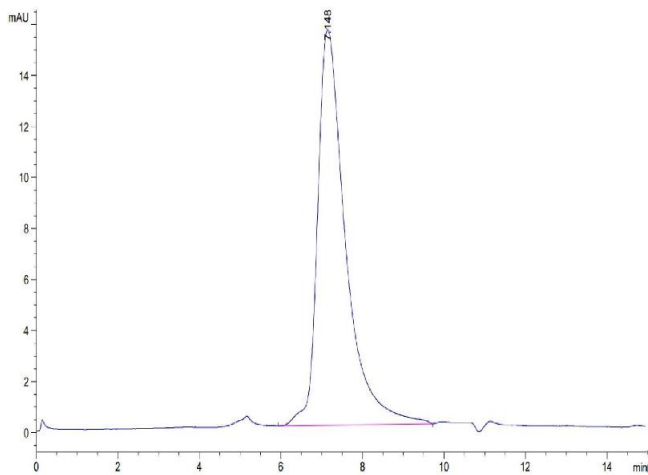
ELISA

Image 1. Immobilized Biotinylated Human EGFRVIII, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-EGFRVIII Antibody, hFc Tag with the EC50 of 16.1 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Biotinylated Human EGFRVIII on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Human EGFRVIII is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274518.