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Datasheet for ABIN7274517
EGFRviii Protein (His-Avi Tag)

3 Images

Overview

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

Product Details

Sequence:	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 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 6.7ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	EGFRviii (EGFRv3)
Alternative Name:	EGFRVIII (EGFRv3 Products)
Background:	ErbB, EC 2.7.10, EC 2.7.10.1, EGFR, mENA, LEGFR, ERBB, ERBB1, HER1, PIG61, NISBD2,The epidermal growth factor receptor (EGFR) is overexpressed in a variety of human epithelial

Target Details

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 68-80 kDa based on Tris-Bis PAGE result.

NCBI Accession: [NP_001333870](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

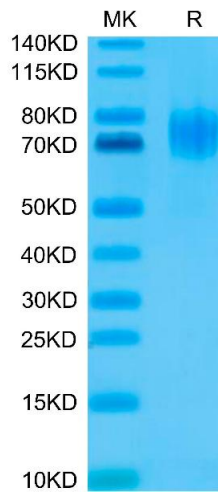
Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

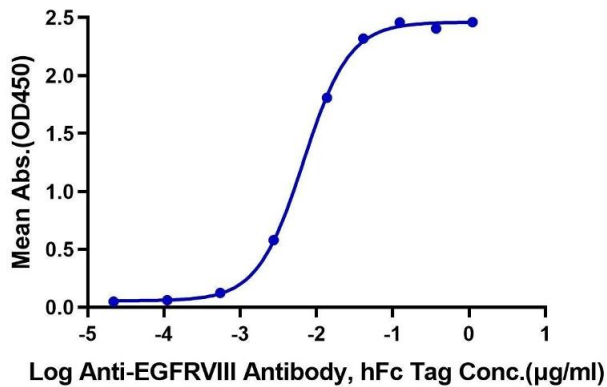
Expiry Date: 12 months



SDS-PAGE

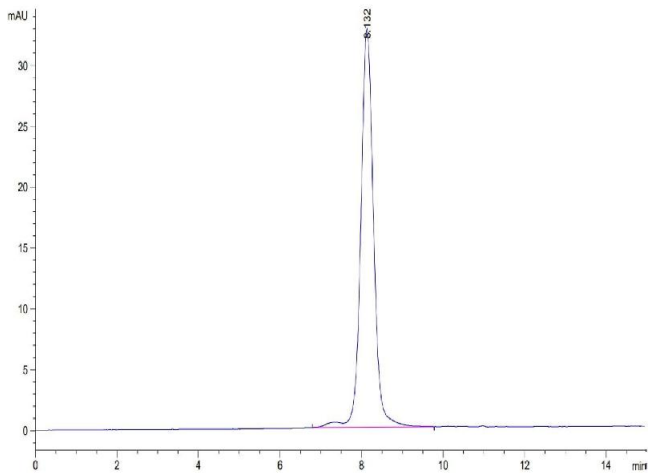
Image 1. Human EGFRVIII on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Human EGFRVIII, His Tag ELISA
0.05µg Human EGFRVIII, His Tag Per Well



ELISA

Image 2. Immobilized 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 6.7 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

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