

PE-Labeled Recombinant Human EGFRVIII Protein

Catalog No.: RP00500PLQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	1956	NP_001333870.1

Tags

C-His&Avi

Synonyms

ErbB; EC 2.7.10; EC 2.7.10.1; EGFR; mENA; LEGFR; ERBB; ERBB1; HER1; PIG61; NISBD2

Product Information

Source	Purification
HEK293 cells	

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Supplied as 0.22 μm filtered solution in PBS (pH 7.4).

Reconstitution

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.

Basic Information

Description

PE-Labeled Recombinant Human EGFRVIII Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu25-Ser378) of Human EGFRVIII (Accession #NP_001333870.1) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

Storage

Store at ≤-70°C, stable for 12 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

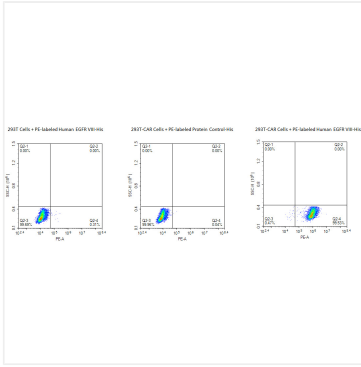
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Validation Data



FACS Analysis of Anti-EGFRVIII CAR Expression. 293T cells were transfected with anti-EGFRVIII-scFv and His tag. Cells were incubated with 5 $\mu\text{g}/\text{mL}$ PE-Labeled Human EGFRVIII, His Tag and PE-labeled protein control. Non-transfected 293T cells and PE-labeled protein control were used as negative control.