

FITC-Labeled Recombinant Human HER1/ERBB1/EGFR (25-378) Protein

Catalog No.: RP00500FLQ Recombinant

Sequence Information

 Species
 Gene ID
 Swiss Prot

 Human
 1956
 NP_0013338

 70.1
 70.1

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 ≥ 95 % as

≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

41.6 kDa 68-80 kDa

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

FITC-Labeled Recombinant Human ERBB1/HER1/EGFR (25-378) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu25-Ser378) of Human ERBB1/HER1/EGFR (25-378) (Accession #NP_001333870.1) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

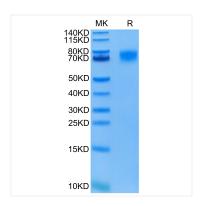
Storage

Store at -70° C. This product is stable at $\leq -70^{\circ}$ C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

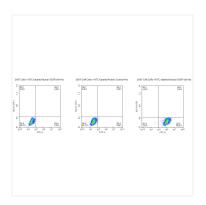
Contact

<u>a</u>	400-999-6126
\times	cn.market@abclonal.com.cn
— €	www.abclonal.com.cn

Validation Data



FITC-Labeled Recombinant Human HER1/ERBB1/EGFR (25-378) Protein was determined by Tris-Bis PAGE under reducing conditions.



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