

# Active Recombinant Monkey ERBB3 Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** ERBB3-1178RAF555    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Alexa Fluor 555 conjugated recombinant Rhesus (*Macaca mulatta*) ErbB3 (XP\_001113953.2) extracellular domain (Met 1-Thr 643) was fused with the Fc region of human IgG1 at the C-terminus.

**Species**      Monkey

**Source**      HEK293

**ProteinLength**      865

**Form**      Lyophilized

**Bio-activity**

1. Measured by its ability to human NRG1 (aa 20-241) in functional Elisa.
2. Measured by its ability to human NRG1 (aa 177-241) in functional Elisa.
3. Measured by its ability to human NRG1 (aa 20-241)-His in functional Elisa.

**Molecular Mass**

The recombinant Rhesus ErbB3/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 865 amino acids and predicts a molecular mass of 95.7 kDa. As a result of glycosylation, rhesus ErbB3/Fc monomer migrates as an approximately 130-140 kDa band in SDS-PAGE under reducing conditions.

**N-terminal Sequence Analysis**      Ser 20

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                              |
| <b>Purity</b>         | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                          |
| <b>Characteristic</b> | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 555 via amines<br>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters. |
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                                                                                            |
| <b>Storage</b>        | Store it under sterile conditions at -20 to-70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                        |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.                                                                                                                                                                                       |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.                                                                   |
| <b>Conjugation</b>    | Alexa Fluor 555                                                                                                                                                                                                                                           |

## GENE INFORMATION

|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| <b>Gene Name</b>       | ERBB3 erb-b2 receptor tyrosine kinase 3 [ <i>Macaca mulatta</i> ] |
| <b>Official Symbol</b> | ERBB3                                                             |
| <b>Synonyms</b>        | v-erb-b2 erythroblastic leukemia viral oncogene homolog 3         |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Gene ID

711407

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA