

# Active Recombinant Monkey ERBB3 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** ERBB3-1178RAF647    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Alexa Fluor 647 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

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<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 Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
<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 647

## 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
<b>Gene ID</b>	711407

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