

# Active Recombinant Monkey ERBB3 Protein, Alexa Fluor 555 conjugated

**Cat. No.** ERBB3-1180RAF555    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 555 conjugated recombinant rhesus ERBB3 (XP_001113953.2) (Met1-Thr643) was expressed with six amino acids (LEVLFQ) at the C-terminus.
<b>Species</b>	Monkey
<b>Source</b>	HEK293
<b>ProteinLength</b>	631
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	<ol style="list-style-type: none"> <li>1. Measured by its binding ability in a functional ELISA.</li> <li>2. Immobilized Rhesus ERBB3 at 10 µg/mL (100 µL/well) can bind Human Fc-NRG1 (isoform Beta1). The EC50 of Human Fc-NRG1 (isoform Beta1) is 0.51-1.19 µg/mL.</li> </ol>
<b>Molecular Mass</b>	69.5 kDa
<b>N-terminal Sequence Analysis</b>	Ser 20
<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

 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>Characteristic</b>	<p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 555 via amines</p> <p>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.</p>
<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, 10 % Glycerol, 0.01 % Tween 20, 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
<b>Gene ID</b>	711407

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