

# Active Recombinant Monkey ERBB3 Protein, His-tagged, Alexa Fluor 488 conjugated

**Cat. No.** ERBB3-1179RAF488    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 488 conjugated recombinant Rhesus ( <i>Macaca mulatta</i> ) ErbB3 (XP_001113953.2) extracellular domain (Met 1-Thr 643) was fused with a polyhistidine tag at the C-terminus.
<b>Species</b>	Monkey
<b>Source</b>	HEK293
<b>ProteinLength</b>	635
<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 2 µg/mL (100 µL/well) can bind human NRG1 (isoform Beta1), The EC50 of human NRG1 (isoform Beta1) is 0.58 µg/mL.</li> </ol>
<b>Molecular Mass</b>	The recombinant Rhesus ErbB3 consists of 635 amino acids and predicts a molecular mass of 70.1 kDa. As a result of glycosylation, rhesus ErbB3 migrates as an approximately 100 kDa band in SDS-PAGE under reducing conditions.
<b>N-terminal Sequence Analysis</b>	Ser 20
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.

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<b>Purity</b>	> 92 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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 488

## 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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