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

Cat. No. ERBB3-1179RAF555 **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 a polyhistidine tag at the C-terminus.
Species	Monkey
Source	HEK293
ProteinLength	635
Form	Lyophilized
Bio-activity	1. Measured by its binding ability in a functional ELISA. 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.
Molecular Mass	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.
N-terminal Sequence Analysis	Ser 20
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 92 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines 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.
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	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.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
Reconstitution	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.
Conjugation	Alexa Fluor 555

GENE INFORMATION

Gene Name	ERBB3 erb-b2 receptor tyrosine kinase 3 [Macaca mulatta]
Official Symbol	ERBB3
Synonyms	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3
Gene ID	711407

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