

Active Recombinant Monkey ERBB3 Protein, Alexa Fluor 647 conjugated

Cat. No. ERBB3-1180RAF647 Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Alexa Fluor 647 conjugated recombinant rhesus ERBB3 (XP_001113953.2) (Met1-Thr643) was expressed with six amino acids (LEVLFQ) at the C-terminus. |
| Species | Monkey |
| Source | HEK293 |
| ProteinLength | 631 |
| Form | Lyophilized |
| Bio-activity | 1. Measured by its binding ability in a functional ELISA. 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. |
| Molecular Mass | 69.5 kDa |
| N-terminal Sequence Analysis | Ser 20 |
| Endotoxin | < 1.0 EU/ µg of the protein as determined by the LAL method. |
| Purity | > 90 % as determined by SDS-PAGE |

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|-----------------------|---|
| Characteristic | <p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 647 via amines</p> <p>Excitation = 650 nm</p> <p>Emission = 668 nm</p> |
| 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, 10 % Glycerol, 0.01 % Tween 20, 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 647 |

GENE INFORMATION

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

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