

Recombinant Human ERBB2 Protein, Fc-tagged, Alexa Fluor 555 conjugated

Cat. No. ERBB2-41HAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human ERBB2 Protein extracellular domain (NP_004439.2, 1-652aa), was produced in Human Cell with C-terminal human IgG1 Fc tag and Alexa Fluor 555 conjugated.

Species Human

Source HEK293

ProteinLength 1-652 aa

Form Lyophilized

Molecular Mass The recombinant human ErbB2/Fc chimera is a disulfide-linked homodimeric protein generated by proteolytic removal of the signal peptide. The monomer comprises 868 amino acids and has a calculated molecular mass of 96.1 kDa. As a result of glycosylation, the monomer migrates as an approximately 130-140 kDa protein in SDS-PAGE under reducing conditions.

Endotoxin < 1.0 EU/ µg of the protein as determined by the LAL method.

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

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|-----------------------|---|
| | 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 |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| Conjugation | Alexa Fluor 555 |

GENE INFORMATION

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|------------------------|---|
| Gene Name | ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [Homo sapiens] |
| Official Symbol | ERBB2 |
| Gene ID | 2064 |
| mRNA Refseq | NM_001005862 |
| Protein Refseq | NP_001005862 |
| MIM | 164870 |
| UniProt ID | P04626 |

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