

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

**Cat. No.** ERBB2-552HAF555    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                                     |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 555 conjugated recombinant human ERBB2 (Accession # NP_004439), fused with , was produced in Mouse myeloma cell line, NS0-derived.                                                                      |
| <b>Species</b>                      | Human                                                                                                                                                                                                               |
| <b>Source</b>                       | Mammalian Cells                                                                                                                                                                                                     |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                         |
| <b>Bio-activity</b>                 | Measured by its ability to block anti-ErbB2 mediated inhibition of SK-BR-3 human breast cancer cell proliferation. The ED50 for this effect is typically 20-80 ng/mL in the presence of 0.6 µg/mL goat anti-hErbB2. |
| <b>Molecular Mass</b>               | Recombinant Human ERBB2, Fc Chimera has a calculated MW of 96.8 kDa (monomer). In SDS-PAGE migrates as 125-130 kDa, reducing conditions220-250 kDa, non-reducing conditions.                                        |
| <b>N-terminal Sequence Analysis</b> | Thr 23                                                                                                                                                                                                              |
| <b>Purity</b>                       | > 90 % by SDS-PAGE and analyzed by silver stain                                                                                                                                                                     |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 555 via amines                                                                                                                                               |

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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.

**Storage**

Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).

**Storage Buffer**

Lyophilized from a 0.2 µm filtered solution in PBS.

**Conjugation**

Alexa Fluor 555

## GENE INFORMATION

**Gene Name**

ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [ Homo sapiens ]

**Official Symbol**

ERBB2

**Synonyms**

ERBB2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian); NGL, v erb b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog); receptor tyrosine-protein kinase erbB-2; CD340; HER 2; HER2; NEU; herstatin; p185erbB2; proto-oncogene Neu; c-erb B2/neu protein; proto-oncogene c-ErbB-2; metastatic lymph node gene 19 protein; tyrosine kinase-type cell surface receptor HER2; neuroblastoma/glioblastoma derived oncogene homolog; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog); NGL; TKR1; HER-2; MLN 19; HER-2/neu;

**Gene ID**

2064

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|                |                              |
|----------------|------------------------------|
| mRNA Refseq    | <a href="#">NM_001005862</a> |
| Protein Refseq | <a href="#">NP_001005862</a> |
| MIM            | <a href="#">164870</a>       |
| UniProt ID     | <a href="#">P04626</a>       |

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