### DESCRIPTION

**Species Reactivity**
Human

**Specificity**
Detects human EGFR in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse (rm) EGFR, recombinant human (rh) ErbB2, rmErbB2, rhErbB3, or rhErbB4 is observed.

**Source**
Monoclonal Mouse IgG2B Clone # 102618

**Purification**
Protein A or G purified from hybridoma culture supernatant

**Immunogen**
Mouse myeloma cell line NS0-derived recombinant human EGFR Leu25-Ser645
Accession # CAA25240

**Formulation**
Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

*Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<table>
<thead>
<tr>
<th>Method</th>
<th>Recommended Concentration</th>
<th>Sample</th>
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<tbody>
<tr>
<td>Western Blot</td>
<td>1 μg/mL</td>
<td>Recombinant Human EGFR (Catalog # 1095-ER) under non-reducing conditions only</td>
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</tbody>
</table>

### PREPARATION AND STORAGE

**Reconstitution**
Reconstitute at 0.5 mg/mL in sterile PBS.

**Shipping**
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C.

**Stability & Storage**
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

### BACKGROUND

EGFR, also named erythroblastic leukemia viral oncogene homolog 1 (ErbB1), is a member of the type I receptor tyrosine kinase superfamily that also includes ErbB2-4.