### DESCRIPTION

**Specificity**
Detects TGF-β1 from human, mouse, rat, and other species in direct ELISAs and Western blots. In sandwich ELISAs, less than 2% cross-reactivity with recombinant human (rh) TGF-β3 and recombinant amphibian TGF-β5 and no cross-reactivity with recombinant porcine TGF-β2 or rhTGF-β2 is observed.

**Source**
Monoclonal Mouse IgG, Clone # 9016EC

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

**Immunogen**
Chinese hamster ovary cell line CHO-derived recombinant TGF-β1 and latent TGF-β1

**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>Human TGF-β1 Sandwich Immunoassay</th>
<th>Reagent</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA Capture</td>
<td>TGF-β1 Antibody (Catalog # MAB2402)</td>
</tr>
<tr>
<td>ELISA Detection</td>
<td>TGF-β1 Biotinylated Antibody (Catalog # BAF240)</td>
</tr>
<tr>
<td>Standard</td>
<td>Recombinant Human TGF-β1 (Catalog # 240-B)</td>
</tr>
</tbody>
</table>

### PREPARATION AND STORAGE

<table>
<thead>
<tr>
<th>Reconstitution</th>
<th>Reconstitute at 0.5 mg/mL in sterile PBS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping</td>
<td>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</td>
</tr>
</tbody>
</table>

**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

TGF-β1, -2, and -3 are a closely related group of proteins (70-80% sequence homology) that are produced by many cell types and function as growth and differentiation factors. The active forms of TGF-β1, -2, and -3 are disulfide-linked homodimers.