

## DESCRIPTION

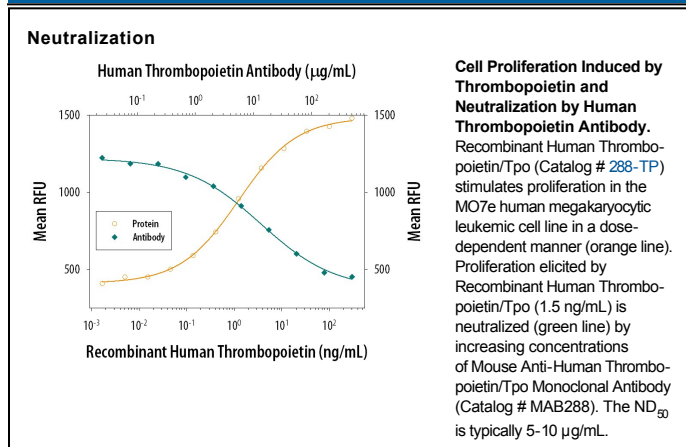
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Thrombopoietin/Tpo in ELISAs. In sandwich immunoassays, no cross-reactivity or interference with recombinant human (rh) G-CSF, rhG-CSF R, rhGM-CSF, recombinant mouse GM-CSF, or rhM-CSF is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 34817
<b>Purification</b>	Protein A or G purified from ascites
<b>Immunogen</b>	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Thrombopoietin/Tpo Ser22-Gly353 Accession # P40225
<b>Endotoxin Level</b>	<0.10 EU per 1 µg of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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.

Human Thrombopoietin/Tpo Sandwich Immunoassay	Reagent
<b>ELISA Capture</b>	2-8 µg/mL Human Thrombopoietin/Tpo Antibody (Catalog # MAB288)
<b>ELISA Detection</b>	0.1-0.4 µg/mL Human Thrombopoietin/Tpo Biotinylated Antibody (Catalog # BAF288)
<b>ELISA Detection</b>	0.5-2.0 µg/mL Human Thrombopoietin/Tpo Biotinylated Antibody (Catalog # BAM288)
<b>Standard</b>	Recombinant Human Thrombopoietin/Tpo (Catalog # 288-TPN)
<b>Neutralization</b>	Measured by its ability to neutralize Thrombopoietin/Tpo-induced proliferation in the MO7e human megakaryocytic leukemic cell line. Avanzi, G. <i>et al.</i> (1988) Br. J. Haematol. <b>69</b> :359. The Neutralization Dose (ND <sub>50</sub> ) is typically 5-10 µg/mL in the presence of 1.5 ng/mL Recombinant Human Thrombopoietin/Tpo.

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Tpo is a secreted protein that regulates megakaryocytopoiesis and thrombopoiesis. It binds to and induces signaling through the Tpo receptor, which is encoded by the *c-Mpl* protooncogene.