

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human Tpo in ELISAs. In ELISAs, this antibody does not cross-react with recombinant human (rh) G-CSF, rhGM-CSF, rmGM-CSF, or rhM-CSF. |
| Source | Monoclonal Mouse IgG _{2A} Clone # 34840 |
| Purification | Protein A or G purified from ascites |
| Immunogen | <i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Tpo Ser22-Gly353 Accession # P40225 |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details. |

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 |
|--|---------------|--|
| ELISA Capture | 2-8 µg/mL | Human Thrombopoietin/Tpo Antibody (Catalog # MAB288) |
| ELISA Detection | 0.5-2.0 µg/mL | Human Thrombopoietin/Tpo Biotinylated Antibody (Catalog # BAM288) |
| Standard | | Recombinant Human Thrombopoietin/Tpo (Catalog # 288-TPN) |

PREPARATION AND STORAGE

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| 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. |
| Stability & Storage | <p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 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

Tpo is a secreted protein that regulates megakaryocytopoiesis and thrombopoiesis. It binds to and induces signaling through the thrombopoietin receptor.