

**PP1074P1****Polyclonal Antibody to Thrombopoietin - Aff - Purified**

<b>Alternate names:</b>	C-mpl ligand, MGDF, Megakaryocyte colony-stimulating factor, Megakaryocyte growth and development factor, Myeloproliferative leukemia virus oncogene ligand, THPO
<b>Quantity:</b>	50 µg
<b>Uniprot ID:</b>	<a href="#">P40225</a>
<b>NCBI:</b>	<a href="#">NP_000451.1</a>
<b>GeneID:</b>	<a href="#">7066</a>
<b>Host:</b>	Goat
<b>Immunogen:</b>	Highly purified recombinant human TPO.
<b>Format:</b>	<b>State:</b> Lyophilized purified Ig fraction. <b>Purification:</b> Affinity chromatography. <b>Buffer System:</b> PBS, pH 7.2 without preservatives. <b>Reconstitution:</b> Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
<b>Applications:</b>	<b>Neutralization:</b> To yield one-half maximal inhibition [ND50] of the biological activity of hTPO (5.00 ng/ml), a concentration of 4.2-6.3 µg/ml of this antibody is required. <b>ELISA:</b> (Indirect): To detect hTPO by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant hTPO. (Sandwich): To detect hTPO by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human TPO (PP1074B) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant hTPO. <b>Western Blot:</b> To detect hTPO by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hTPO is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts with Thrombopoietin. <b>Species:</b> Human. Other species not tested.
<b>Add. Information:</b>	Centrifuge vial prior to opening!
<b>Storage:</b>	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: One year from despatch.

**General Readings:**

1. Xiaodong Xie Thrombopoietin promotes mixed lineage and megakaryocytic colony-forming cell growth but inhibits primitive and definitive erythropoiesis in cells isolated from early murine yolk sacs Blood, 2003, Vol: 101 (4) pp. 1329-1335.