



# Rabbit Anti-Cynomolgus Thrombopoietin/THPO Polyclonal Antibody (CABT-NS1740)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Cynomolgus Thrombopoietin/THPO
<b>Target</b>	THPO
<b>Immunogen</b>	Recombinant Cynomolgus Thrombopoietin/THPO protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Cynomolgus
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	<p>ELISA</p> <p>Recommended dilution:</p> <p>ELISA: 0.5-1.0 µg/mL.</p> <p>This antibody can be used at 0.5-1.0 µg/mL with the appropriate secondary reagents to detect Cynomolgus THPO.</p> <p>The detection limit for Cynomolgus THPO is approximately 0.0195 ng/well.</p> <p>Each laboratory should determine an optimum working titer for use in its particular application.</p> <p>Other applications have not been tested but use in such assays should not necessarily be excluded.</p>
<b>Format</b>	Liquid

<b>Size</b>	50 µl, 100 µl, 200 µl
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

## BACKGROUND

<b>Introduction</b>	Thrombopoietin (TPO or THPO), also known as myeloproliferative leukemia virus ligand (c-Mpl), is a hematopoietic growth factor belonging to the EPO/TPO family. The thrombopoietin protein is produced mainly by the liver and the kidney that regulates the production of platelets by the bone marrow. Thrombopoietin protein stimulates both proliferation of progenitor megakaryocytes and their maturation to platelet-producing megakaryocytes, and also accelerates the recovery of platelets. Thrombopoietin protein is involved in cardiovascular disease as it regulates megakaryocyte development and enhances platelet adhesion/aggregation. It has been identified that surface c-MPL, the receptor for thrombopoietin protein, binds to the ligand and mediates the action.
<b>Keywords</b>	THPO; thrombopoietin; ML; TPO; MGDF; MKCSF; MPLL; THCYT1; MPL ligand; c-mpl ligand; prepro-thrombopoietin; megakaryocyte stimulating factor; megakaryocyte colony-stimulating factor; megakaryocyte growth and development factor; myeloproliferative leukemia virus oncogene ligand;