

## ARG80182 Human Tpo / Thrombopoietin ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG80182-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80182-002	Standard (Lyophilized)	3 X 4 ng/vial	4°C
ARG80182-003	Standard diluent buffer	20 ml	4°C
ARG80182-004	Antibody conjugate concentrate	400 µl	4°C
ARG80182-005	Antibody diluent buffer	16 ml	4°C
ARG80182-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80182-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80182-008	20X Wash buffer	50 ml	4°C
ARG80182-009	TMB substrate	12ml	4°C (Protect from light)
ARG80182-010	STOP solution	12ml	4°C
ARG80182-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG80182 Human Tpo / Thrombopoietin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Tpo / Thrombopoietin in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human Epo, Epo R/Fc Chimera, Tpo R/Fc Chimera, mouse Epo, Tpo
Target Name	Tpo / Thrombopoietin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	62 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	125 - 8000 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	C-mpl ligand; Thrombopoietin; MPLLG; TPO; ML; Megakaryocyte colony-stimulating factor; Megakaryocyte growth and development factor; MGDF; Myeloproliferative leukemia virus oncogene ligand; MKCSF; THCYT1

## Application Instructions

---

Assay Time	4 hours
------------	---------

## Properties

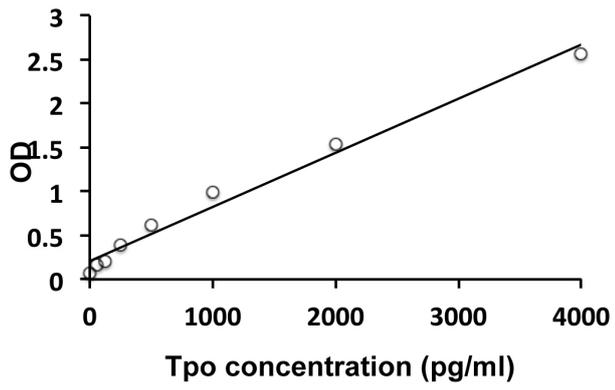
---

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

---

Database links	<a href="#">GeneID: 7066 Human</a> <a href="#">Swiss-port # P40225 Human</a>
Gene Symbol	THPO
Gene Full Name	thrombopoietin
Background	TPO is a lineage specific growth factor, produced in the liver, kidney and skeletal muscle. It stimulates the proliferation and maturation of megakaryocytes, and promotes increased circulating levels of platelets in vivo. TPO signals through the c-mpl receptor and acts as an important regulator of circulating platelets. Human and murine TPO exhibits cross-species reactivity. Recombinant murine TPO is a fully biologically active 174 amino acid polypeptide (18.7 kDa), which contains the erythropoietin-like domain of the full length TPO protein.
Highlight	Related products: <a href="#">Thrombopoietin antibodies</a> ; <a href="#">Thrombopoietin ELISA Kits</a> ; <a href="#">Thrombopoietin recombinant proteins</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
Research Area	Cancer kit; Cell Biology and Cellular Response kit; Developmental Biology kit



ARG80182 Human Tpo / Thrombopoietin ELISA Kit standard curve image

ARG80182 Human Tpo / Thrombopoietin ELISA Kit results of a typical standard run with optical density reading at 450 nm.

---