

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

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| 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 |

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| 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

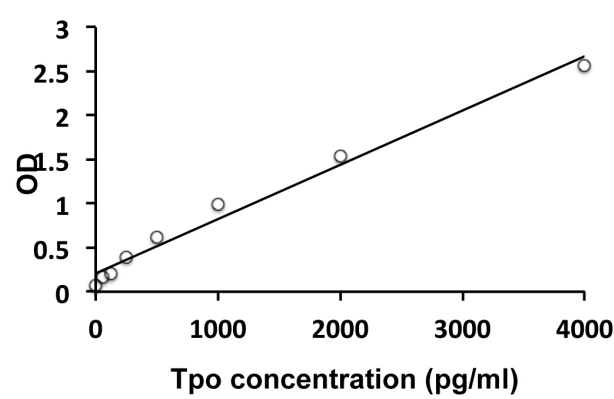
| | |
|------------|---------|
| Assay Time | 4 hours |
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Properties

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| 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

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| Database links | GeneID: 7066 Human Swiss-port # P40225 Human |
| 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: Thrombopoietin antibodies ; Thrombopoietin ELISA Kits ; Thrombopoietin recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| 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.