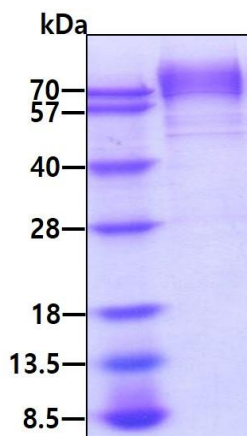
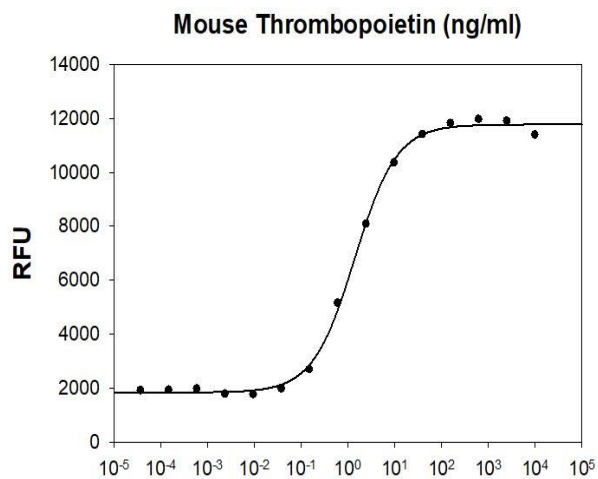


# Human CellExp™ TPO, Mouse Recombinant

<b>CATALOG NO:</b>	P1565-10 10 µg P1565-50 50 µg
<b>ALTERNATE NAMES:</b>	Thpo, C-mpl ligand,ML, Megakaryocyte colony-stimulating factor, Megakaryocyte growth and development factor, MGDF, Myeloproliferative leukemia virus oncogene ligand, Mgdg, Ml, Mpllg, Tpo, thrombopoietin isoform 1
<b>MOL. WT.</b>	36.4 kDa (His-tag at C-terminus)
<b>SOURCE:</b>	HEK 293 cells
<b>PURITY:</b>	>90% SDS - PAGE
<b>ENDOTOXIN:</b>	< 1 EU per 1ug of protein (determined by LAL method)
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
<b>BIOLOGICAL ACTIVITY:</b>	Measured in a cell proliferation assay using MO7e human megakaryocytic leukemic cells. The ED <sub>50</sub> range ≤4ng/ml.
<b>STORAGE CONDITIONS:</b>	Store at 4°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.
<b>DESCRIPTION:</b>	Thrombopoietin (THPO), also known as megakaryocyte growth and development factor (MGDF), is a glycoprotein hormone produced by the liver and kidney which regulates the production of platelets. It stimulates the production and differentiation of megakaryocytes, the bone marrow cells that bud off large numbers of platelets. Megakaryocytopoiesis is the cellular development process that leads to platelet production. It is a humoral growth factor necessary for megakaryocyte proliferation and maturation, as well as for thrombopoiesis. This protein is the ligand for MLP/C_MPL, the product of myeloproliferative leukemia virus oncogene. Recombinant mouse Thrombopoietin, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
<b>AMINO ACID SEQUENCE:</b>	aa 22-356



3 µg by SDS-PAGE under reducing condition and stained by coomassie blue stain



Mouse Thrombopoietin stimulates cell proliferation of the MO7e human megakaryocytic leukemic cells. The ED<sub>50</sub> range ≤4 ng/ml.

**RELATED PRODUCTS:**

- Thyroid Peroxidase [TPO] IgG (human) ELISA Kit (K5351)
- TPO, human recombinant (4351)
- Human CellExp™ TPO, Human Recombinant (6483)
- TPO, rat recombinant (7221)

***FOR RESEARCH USE ONLY! Not to be used on humans.***