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Datasheet for ABIN6719709
Thrombopoietin ELISA Kit

1 Image

Overview

Quantity:	1 kit
Target:	Thrombopoietin (THPO)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: C mpl ligand, Megakaryocyte colony stimulating factor, Megakaryocyte growth and development factor, Megakaryocyte stimulating factor, MGC164194, MGDF, MKCSF, ML, MPL ligand, MPLLG, Myeloproliferative leukemia virus oncogene ligand, OTTHUMP00000210504, THPO, TPO</p> <p>Background: Thrombopoietin(TPO) is also called megakaryocyte growth and development factor(MGDF). TPO, a lineage-specific cytokine affecting the proliferation and maturation of megakaryocytes from committed progenitor cells, is believed to be the major physiological regulator of circulating platelet levels. Human, dog, and mouse cDNAs for MGDF are highly</p>

Product Details

conserved and encode open reading frames for proteins of 353, 352, and 356 amino acids, respectively, including predicted signal peptides. MGDF is a novel cytokine that regulates megakaryocyte development and is a ligand for the MPL receptor. The human MGDF gene has been mapped to chromosome 3q26.3. The standard product used in this kit is gene recombinant mouse TPO, consisting of 419 amino acids with the molecular mass of 35KDa. As a result of glycosylation, the molecular mass is 75KDa.

Gene Name: TPO

Production: Natural and recombinant mouse TPO. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S22-T356

Target Details

Target:	Thrombopoietin (THPO)
Alternative Name:	Thrombopoietin (TPO) (THPO Products)
Gene ID:	21832
NCBI Accession:	NP_001166976
UniProt:	P40226
Pathways:	JAK-STAT Signaling , Hormone Activity

Application Details

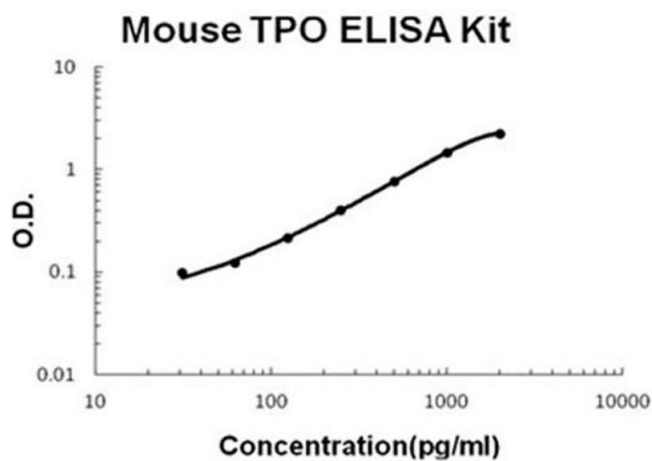
Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL mouse TPO standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse TPO standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 31.2pg/mL-2000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Mouse TPO Accusignal ELISA Kit Mouse TPO AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <5pg/ml.