

Datasheet for ABIN2018397

Thrombopoietin Protein (THPO) (AA 22-356)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Thrombopoietin (THPO)
Protein Characteristics:	AA 22-356
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 2 ng /mL, measured in a proliferation assay using MO7e cells.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	Thrombopoietin (THPO)
Alternative Name:	Thrombopoietin (TPO) (THPO Products)
Background:	<p>Thrombopoietin (TPO), also known as C-mpl ligand, MGDF and Thpo, is a glycoprotein hormone belonging to the EPO/TPO family. It is expressed mainly in the liver, kidney and skeletal muscle.</p> <p>TPO binds and signals through MLP/C_MPL receptor. It stimulates the proliferation and maturation of megakaryocytes from their committed progenitor cells, and it regulates the production and circulation of platelets. TPO has also been reported to promote the apoptosis of</p>

Target Details

	hypoxia-sensitized neurons and to inhibit neuronal differentiation.
	Synonyms: Thrombopoietin, Megakaryocyte colony-stimulating factor, c-MPL Ligand, MGDF
Molecular Weight:	30-80 kDa, observed by reducing SDS-PAGE.
UniProt:	P40226
Pathways:	JAK-STAT Signaling , Hormone Activity

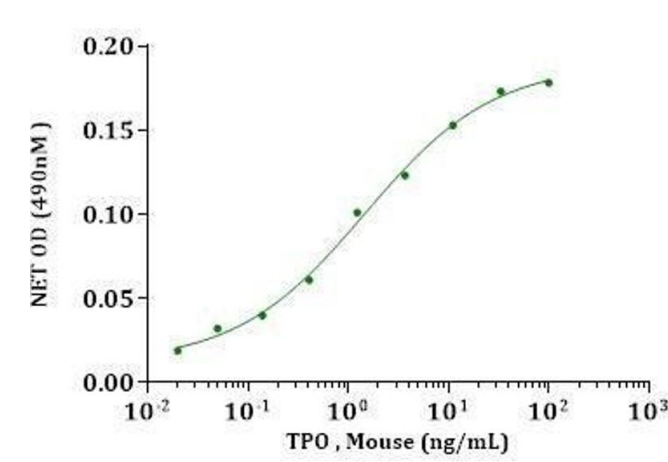
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL..
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant murine Thrombopoietin (TPO) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, murine Thrombopoietin (TPO) should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.
Expiry Date:	6 months

Images



Activity Assay

Image 1. TPO, Mouse stimulates cell proliferation of MO7e cells. The ED50 for this effect is less than 2ng/ml(0.919 ng/mL).