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## 32-12329: Mouse Thrombopoietin (AF)

| | |
|---|---|
| **Gene :** | Thpo |
| **Gene ID :** | 21832 |
| **Uniprot ID :** | P40226 |
| **Alternative Name :** | Thrombopoietin, C-mpl ligand,Megakaryocyte colony-stimulating factor, Megakaryocyte growth and development factor, Myeloproliferative leukemia virus oncogene ligand Â Â Â |

## Description

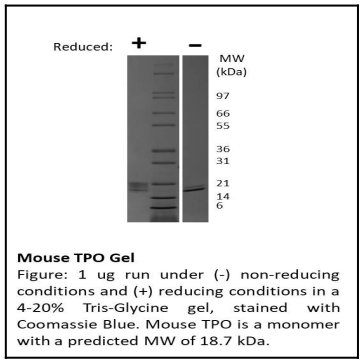
**Source:** Genetically modified E.coli.
**Predicted MW:**Â Monomer, 18.7 kDa (174 aa)
Thrombopoietin (TPO) is a growth factor that is produced by liver and kidney tissues. TPO binds the TPO receptor (CD110) to promote megakaryocyte maturation, differentiation, and the production of platelets.

## Product Info

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|---|---|
| **Amount :** | 10 µg / 100 µg |
| **Purification :** | Reducing and Non-Reducing SDS PAGE at >= 95% |
| **Content :** | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5<br>Sterile water at 0.1 mg/mL |
| **Storage condition :** | Store at -20°C |
| **Amino Acid :** | SPVAPACDPR LLNKLLRDSH LLHSRLSQCP DVDPLSIPVL LPAVDFSLGE WKTQTEQSKA QDILGAVSLL LEGVMAARGQ LEPSCLSSLL GQLSGQVRLL LGALQGLLGT QLPLQGRTTA HKDPNALFLS LQQLLRGKVR FLLLVEGPTL CVRRTLPTTA VPSSTSQLLT LNKF |

## Application Note

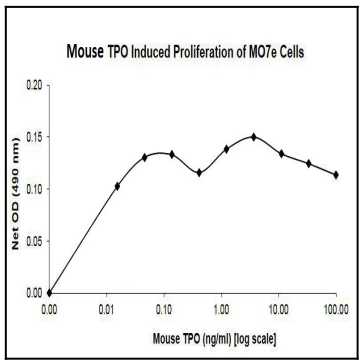
**Endotoxin:** Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
Biological Activity was determined by MO7e cell proliferaiton at <=5 ng/mL; >= 2.0 x 10^5 units/mg (typcial ED50 is < 1 ng/mL). Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80ÃÂ°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.




**Mouse TPO Gel**
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse TPO is a monomer with a predicted MW of 18.7 kDa.

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