

Murine Thrombopoietin TPO

Synonyms: Megakaryocyte colony-stimulating factor, Myeloproliferative leukemia virus oncogene ligand, C-mpl ligand, ML, Megakaryocyte growth and development factor, MGDF, TPO, MKCSF, MPLLG, MGC163194, THPO.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1975.960.002		
10 µg	1975.960.010		
1 mg	1975.960.199		

Please enquire for bulk quantities and other vial sizes

Description

Thrombopoietin Murine Recombinant produced in *E.Coli* is a single, non-glycosylated soluble polypeptide chain containing 174 amino acids and having a molecular mass of 18704 Dalton.

- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a concentrated (1mg/ml) solution in water containing no additives*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

ED₅₀ range is less than 0.8ng/ml as determined by the dose dependent stimulation of Mo7e cells.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized Thrombopoietin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TPO Mouse should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

SPVAPACDPR LLNKLLRDSH LLHSRLSQCP DVDPLSIPVL LPAVDFSLGE WKTQTEQSKA QDILGAVSLL
 LEGVMAARGQ LEPSCLSSLL GQLSGQVRLR LGALQGLLGT QLPLQGRRTA HKDPNALFLS LQQLLRGKVR
 FLLLVEGPTL CVRRTLPTTA VPSSTSQLLT LNKF

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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