

TPO Mouse

Description:Thrombopoietin Mouse 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.The TPO is purified by proprietary chromatographic techniques.

Catalog #:CYPS-353

For research use only.

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.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence:SPVAPACDPR LLNKLLRDSH LLHSRLSQCP DVDPLSIPVL
LPVDFSLGE WKTQTEQSKA QDILGAVSLL LEGVMAARGQ LEPSCLSSLL GQLSGQVRLL
LGALQGLLGT QLPLQGRRTA HKDPNALFLS LQQLLRGKVR FLLLVGPTL CVRRTLPTTA
VPSSTSQLLT LNKF.

Purity:Greater than 95.0% as determined by SDS-PAGE.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution in water containing no additives.

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 prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized Thrombopoietin in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Introduction:

Thrombopoietin is a glycoprotein hormone produced mainly by the liver and the kidney that regulates the production of platelets by the bone marrow. It stimulates the production and differentiation of megakaryocytes, the bone marrow cells that fragment into large numbers of platelets.

Biological Activity:

ED50 range is less than 1 ng/ml as determined by the dose dependent proliferation of Mo7e cells.

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