9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TPO Mouse

Thrombopoietin Mouse Recombinant
CYK0608

Product Overview

Name	TPO Mouse
Description	
Thrombopoietin Mouse Recombinant	
Accession (Primary)	P40226
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.	
Introduction	
Thrombopoietin is a glycoprotein hormone produced mainly by the liver and the kidneyt hat 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
SPVAPACDPR LLNKLLRDSH LLHSRLSQCP DVDPLSIPVL LPAVDFSLGE WKTQTEQSKA QDILGAVSLL LEGVMAARGQ LEPSCLSSLL GQLSGQVRLL LGALQGLLGT QLPLQGRTTA HKDPNALFLS LQQLLRGKVR FLLLVEGPTL CVRRTLPTTA VPSSTSQLLT LNKF.	

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Biological Activity

ED 50 range is less than 0.8ng/ml as determined by the dose dependent stimulation of Mo7e cells.

Solubility

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

Precautions

TPO Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P40226)