

32-12328: Mouse Thrombopoietin

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

Description

Source: Genetically modified E.coli.

Predicted MW: 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

Amount : 10 µg / 100 µg
Purification : Reducing and Non-Reducing SDS PAGE at $\geq 95\%$
Content : Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Sterile water at 0.1 mg/mL
Storage condition : Store at -20°C
Amino Acid : SPVAPACDPR LLNKLRLDSH LLHSRLSQCP DVDPLSIPVL LPAVDFSLGE WKTQTEQSKA QDILGAVSLL
LEGVMAARGQ LEPSCLSSLL QLSGQVRL LGALQGLLT QLPLQGRTTA HKDPNALFLS LQQLLRGKVR
FLLLVGPTL CVRRTLPTTA VPSSTSQLLT LNKF

Application Note

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Biological Activity was determined by MO7e cell proliferation at ≤ 5 ng/mL; $\geq 2.0 \times 10^5$ units/mg (typical 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 -80°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 vial to compensate for this loss.



