

Recombinant Murine Thrombopoietin (TPO)

CATALOG #:	4352-10	10 µg
	4352-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of TPO.	
MOL. WEIGHT:	18.7 kDa	
FORMULATION:	Sterile filtered and lyophilized from 10 mM Tris, pH 8.0	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.5-1.0 mg/ml. Further dilutions of this solution should be made into buffer containing carrier protein or medium containing serum. This solution can be stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized TPO should be stored desiccated below 0°C. Reconstituted TPO should be stored in working aliquots at -20°C.

DESCRIPTION:

TPO (Thrombopoietin, also known as Mpl-ligand, MGDF) stimulates the proliferation and maturation of megakaryocytes and promotes increased circulation levels of platelets *in vivo*. The murine TPO is a soluble 18.7 kDa protein containing 174 amino acid residues, which comprises the receptor binding domain of the Mpl-ligand protein.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of human MO7e cells is ≤ 1.0 ng/ml, corresponding to a specific activity of ≥ 1 x 10⁶ units/mg.

FOR RESEARCH USE ONLY! Not to be used on humans.

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- Apoptosis siRNA Vectors

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