

C-MPL/TPO-R Protein, Cynomolgus, Recombinant (His)

General Information

Synonyms:	TPO-R;MPLV;K12;CD110;MPL;c-Mpl
Protein Construction:	Gln22-Thr489
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	A0A2K5UGC7
Molecular Weight:	53.48 kDa (predicted). Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Immobilized Cynomolgus c-MPL, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-C-MPL Antibody, hFc Tag with the EC50 of 2.3ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in 20 mM Tris, 500 mM NaCl, 3 mM DTT, 10% Glycerol (pH 7.5).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

The c-mpl gene encodes a member of the hematopoietic cytokine receptor superfamily. This gene was discovered through the study of a murine retrovirus which induces an acute myeloproliferative syndrome in mice. MPLV (for myeloproliferative leukemia virus) has transduced a truncated and constitutively activated form of the c-mpl receptor chain. High levels of c-mpl expression were detected in 45% of acute myeloid leukemia (AML). No correlation was found between c-mpl expression and the French-American-British classification subtype of AML.

Reference

Bouscary D, et al. c-mpl expression in hematologic disorders. *Leuk Lymphoma*. 1995 Mar;17(1-2):19-26. doi: 10.3109/10428199509051699. PMID: 7773160.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481