

## C-MPL Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P700977
Synonyms:	TPO-R; CD110; MPL; c-Mpl; MPLV; K12
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A2K5UGC7 (Q22-T489)
Gene ID:	/
Molecular Weight:	60-70 kDa

### PROPERTIES

Biological Activity	Immobilized Cynomolgus c-MPL, His Tag at 0.5 µg/mL (100 µl/well) on the plate. Dose response curve for Anti-C-MPL Antibody, hFc Tag with the EC <sub>50</sub> of ≤12.7 ng/mL determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22µm filtered solution of 20mM Tris, 500mM NaCl, 3 mM DTT, 10% glycerol, pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	<p>The C-MPL Protein is a pivotal member of the type I cytokine receptor family, specifically falling under the Type 1 subfamily, underlining its crucial role in mediating cellular responses to various cytokines. As part of this receptor family, C-MPL likely shares conserved structural and functional features with related receptors, emphasizing its involvement in transducing signals from specific type I cytokines. The classification within the type I cytokine receptor family underscores its specific designation within the broader context of cell signaling, providing insights into its unique contributions to hematopoiesis and immune regulation. The study of C-MPL contributes to our understanding of its role in physiological processes, offering potential applications in therapeutic interventions for conditions related to hematopoietic disorders and immune dysregulation. Further exploration of C-MPL's role holds promise for enhancing our knowledge of its contributions to both normal cellular function and pathological conditions.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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