

Mouse TPOR/MPL ELISA Kit | MPL elisa kit

Mouse TPOR/MPL PicoKine ELISA Kit

CATALOG #
AAA46661

REACTIVITY
Mouse

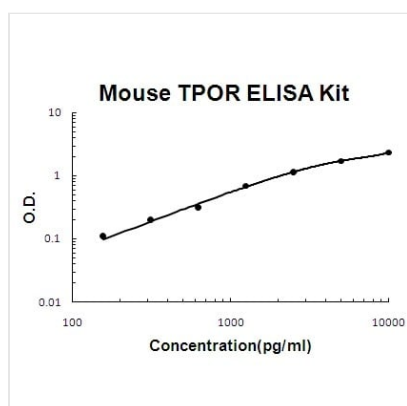
PRODUCT SYNONYMS

TPOR/MPL; Mouse TPOR/MPL PicoKine ELISA Kit; C MPL; CD110; mpl; MPLV; THCYT2; Thrombopoietin receptor; TPOR; TPO-R; TPO R; Q08351; MPL proto-oncogene; thrombopoietin receptor; MPL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse TPOR/MPL
Sequence Length	633
Samples	Cell culture supernates, serum and plasma(heparin, EDTA).
Assay Type	Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<15pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

Mouse TPOR/MPL PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for MPL elisa kit	Principle of the Assay: Mouse TPOR/MPL ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TPOR/MPL has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: Q26-W482) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TPOR/MPL is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse TPOR/MPL amount of sample captured in plate. Background/Introduction: The thrombopoietin receptor (TPOR), also known as CD110, is a protein that in humans is encoded by the MPL (myeloproliferative leukemia virus) oncogene. The human MPL gene is mapped to chromosome 1p34. The protein encoded by the c-mpl gene, CD110, is a 635 amino acid transmembrane domain, with two extracellular cytokine receptor domains and two intracellular cytokine receptor box motifs. TPO-R deficient mice were severely thrombocytopenic, emphasizing the important role of CD110 and thrombopoietin in megakaryocyte and platelet formation. Upon binding of thrombopoietin CD110 is dimerized and the JAK family of non-receptor tyrosine kinases, as well as the STAT family, the MAPK family, the adaptor protein Shc and the receptors themselves become tyrosine phosphorylated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	171846242
NCBI GeneID	17480
NCBI Accession #	NP_001116421.1
NCBI GenBank Nucleotide #	NM_001122949.2
UniProt Accession #	Q08351; Q8BRX0; A6H8H6
Molecular Weight	69,788 Da
NCBI Official Full Name	thrombopoietin receptor isoform 1
NCBI Official Synonym Full Names	myeloproliferative leukemia virus oncogene
NCBI Official Symbol	Mpl
NCBI Official Synonym Symbols	CD110; TPO-R; c-mpl; hlb219
NCBI Protein Information	thrombopoietin receptor
UniProt Protein Name	Thrombopoietin receptor
UniProt Gene Name	Mpl
UniProt Synonym Gene Names	Tpor; TPO-R
UniProt Entry Name	TPOR_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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