

Mouse CD110 ELISA Kit | MPL elisa kit

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CATALOG #
AAA263134

REACTIVITY
Mouse

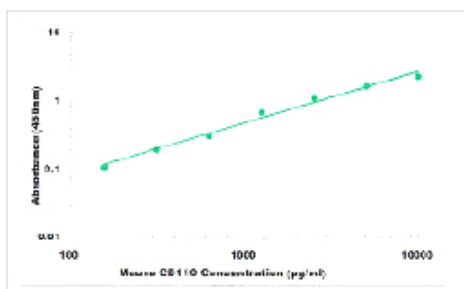
PRODUCT SYNONYMS

CD110; Mouse CD110 ELISA Kit; TPOR; Thrombopoietin receptor; TPO-R; Myeloproliferative leukemia protein; Proto-oncogene c-Mpl; MPL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse CD110 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse CD110 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	633
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MPL elisa kit	Principle of the Assay: The Mouse CD110 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse CD110 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse CD110 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD110 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse CD110 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD110 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: 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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Online datasheet: <https://stage.aaabiotech.com/mpl-mouse-elisa-kits/cd110/263134>