



Datasheet for ABIN5510636

MPL ELISA Kit



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1 Image

Overview

Quantity: 96 tests

Target: MPL

Binding Specificity: AA 26-482

Reactivity: Mouse

Method Type: Sandwich ELISA

Application: ELISA

Product Details

Purpose: Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse TPOR/MPL

Brand: PicoKine™

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: Expression system for standard: NSO
Immunogen sequence: Q26-W482

Cross-Reactivity (Details): There is no detectable cross-reactivity with other relevant proteins.

Target Details

Target: MPL

Alternative Name: Mpl ([MPL Products](#))

Background: Protein Function: Receptor for thrombopoietin. May represent a regulatory molecule specific for

Target Details

TPO-R-dependent immune responses.

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.

Synonyms: Thrombopoietin receptor, TPO-R, Myeloproliferative leukemia protein, Proto-oncogene c-Mpl, CD110, Mpl, Tpor,

Full Gene Name: Thrombopoietin receptor

Cellular Localisation: Cell membrane, Single-pass type I membrane protein . Golgi apparatus . Cell surface.

UniProt: [Q08351](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Plate: Pre-coated

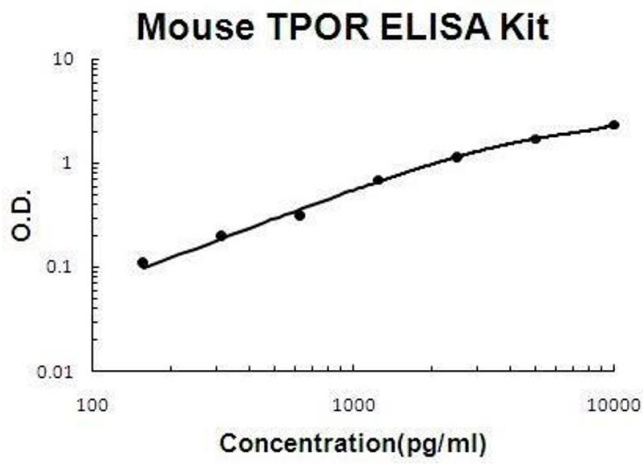
Restrictions: For Research Use only

Handling

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

Expiry Date: 12 months



ELISA

Image 1. Mouse TPOR/MPL PicoKine ELISA Kit standard curve