

## MPL Antibody

Catalog No: #48462

Package Size: #48462-1 50ul #48462-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

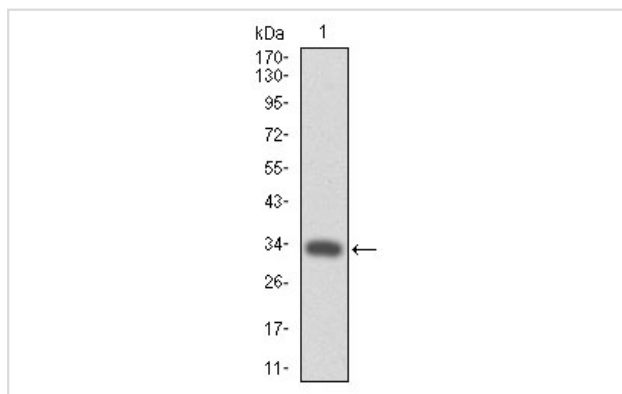
## Description

Product Name	MPL Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	A10-H2
Purification	ProA affinity purified
Applications	WB, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	C MPL antibody CD110 antibody mpl antibody MPLV antibody Myeloproliferative leukemia protein antibody Myeloproliferative leukemia virus oncogene antibody Proto-oncogene c-Mpl antibody THCYT2 antibody Thrombopoietin receptor antibody TPO R antibody TPO-R antibody TPOR antibody TPOR_HUMAN antibody
Accession No.	Swiss-Prot#:P40238
Uniprot	P40238
GeneID	4352;
Calculated MW	71 kDa
Formulation	1*TBS (pH7.4), 1%BSA, Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

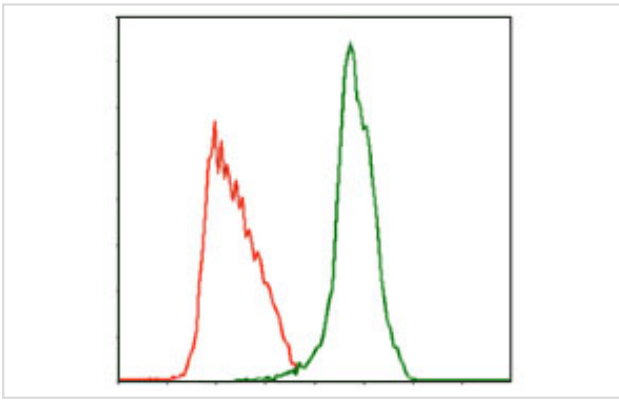
## Application Details

WB: 1:500-1:1,000 FC: 1:100-1:200

## Images



Western blot analysis of MPL on human MPL recombinant protein using anti-MPL antibody at 1/1,000 dilution.



Flow cytometric analysis of MOLT4 cells with MPL antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

## Background

Thrombopoietin was shown to be the major regulator of megakaryocytopoiesis and platelet formation. 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.

## References

Note: This product is for in vitro research use only