

## Mouse Monoclonal Antibody to CD110

<b>Catalogue Number</b>	sAP-1658
<b>Target Molecule</b>	<b>Name: CD110</b> <b>Aliases: MPL; MPLV; TPOR; C-MPL; THCYT2</b> <b>MW: 71.2kDa</b> <b>Entrez Gene ID: 4352</b>
<b>Description</b>	In 1990 an oncogene, v-mpl, was identified from the murine myeloproliferative leukemia virus that was capable of immortalizing bone marrow hematopoietic cells from different lineages. In 1992 the human homologue, named, c-mpl, was cloned. Sequence data revealed that c-mpl encoded a protein that was homologous with members of the hematopoietic receptor superfamily. Presence of anti-sense oligodeoxynucleotides of c-mpl inhibited megakaryocyte colony formation. The ligand for c-mpl, thrombopoietin, was cloned in 1994. 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 defi-
<b>Immunogen</b>	Purified recombinant fragment of human CD110 (AA: extra 26-175) expressed in E. Coli.
<b>Recombinant Species</b>	Human;
<b>Clone</b>	MM1D6B7
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: 1 to 200 - 1 to 400; IHC: N to A
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Haematologica. 2015 Sep;100(9):e341-4.2.Blood. 2012 Jul 26;120(4):868-79.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**