

Canine Thrombopoietin Receptor antibody ELISA Kit | TPORAb elisa kit

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CATALOG #
AAA89784

REACTIVITY
Canine

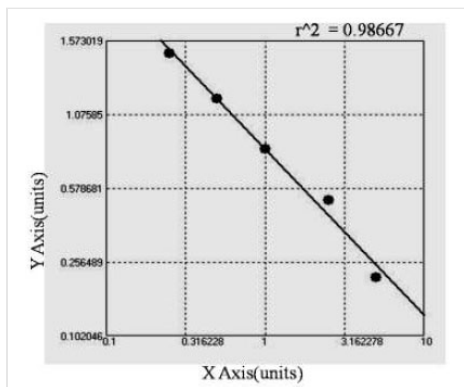
PRODUCT SYNONYMS

Thrombopoietin Receptor antibody; Canine Thrombopoietin Receptor antibody ELISA Kit; TPORAb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This TPORAb ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TPORAb. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPORAb elisa kit

Principle of the Assay: TPORAb ELISA kit applies the competitive enzyme immunoassay technique utilizing TPOR antigen and an TPORAb-HRP conjugate. The assay sample and buffer are incubated together with TPORAb-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TPORAb concentration since TPORAb from samples and TPORAb-HRP conjugate compete for the TPOR antigen binding site. Since the number of sites is limited, as more sites are occupied by TPORAb from the sample, fewer sites are left to bind TPORAb-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TPORAb concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885491
NCBI GeneID	4352
NCBI Accession #	NP_005364.1
NCBI GenBank Nucleotide #	NM_005373.2
Molecular Weight	65,521 Da
NCBI Official Full Name	thrombopoietin receptor
NCBI Official Synonym Full Names	MPL proto-oncogene, thrombopoietin receptor
NCBI Official Symbol	MPL
NCBI Official Synonym Symbols	MPLV; TPOR; C-MPL; CD110; THCYT2
NCBI Protein Information	thrombopoietin receptor; TPO-R; proto-oncogene c-Mpl; myeloproliferative leukemia protein; myeloproliferative leukemia virus oncogene
UniProt Protein Name	Thrombopoietin receptor
UniProt Gene Name	MPL
UniProt Synonym Gene Names	TPOR; TPO-R
UniProt Entry Name	TPOR_HUMAN

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.