

Canine Tubulin Polymerization Promoting Protein ELISA Kit | TPPP elisa kit

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CATALOG #
AAA92162

REACTIVITY
Canine

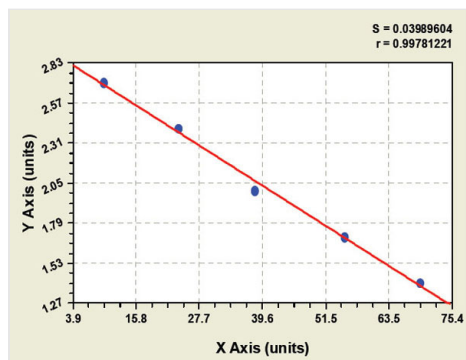
PRODUCT SYNONYMS

Tubulin Polymerization Promoting Protein; Canine Tubulin Polymerization Promoting Protein ELISA Kit; TPPP elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPPP elisa kit	Principle of the Assay: TPPP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TPPP antibody and an TPPP-HRP conjugate. The assay sample and buffer are incubated together with TPPP-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 TPPP concentration since TPPP from samples and TPPP-HRP conjugate compete for the anti-TPPP antibody binding site. Since the number of sites is limited, as more sites are occupied by TPPP from the sample, fewer sites are left to bind TPPP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TPPP concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TPPP elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	5902018
NCBI GeneID	11076
NCBI Accession #	NP_008961.1
NCBI GenBank Nucleotide #	NM_007030.2
Molecular Weight	23,694 Da
NCBI Official Full Name	tubulin polymerization-promoting protein
NCBI Official Synonym Full Names	tubulin polymerization promoting protein
NCBI Official Symbol	TPPP
NCBI Official Synonym Symbols	p24; p25; TPPP1; TPPP/p25; p25alpha
NCBI Protein Information	tubulin polymerization-promoting protein; p25-alpha; 25 kDa brain-specific protein; brain specific protein p25 alpha; glycogen synthase kinase 3 (GSK3) inhibitor p24
UniProt Protein Name	Tubulin polymerization-promoting protein
UniProt Gene Name	TPPP
UniProt Synonym Gene Names	TPPP1; TPPP
UniProt Entry Name	TPPP_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.