

Canine beta-tubulin ELISA Kit | TUBB elisa kit

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CATALOG #
AAA93468

REACTIVITY
Canine

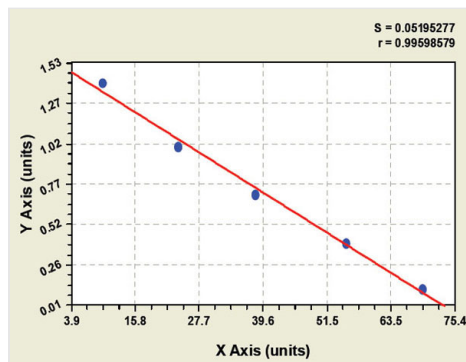
PRODUCT SYNONYMS

beta-tubulin; Canine beta-tubulin ELISA Kit; Canine b-tubulin ELISA Kit; TUBB 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 TUBb ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TUBb. 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 TUBB elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456871
NCBI GeneID	7280
UniProt Accession #	Q13885; Q6FGZ8; Q8IWR2
Molecular Weight	49,907 Da
NCBI Official Full Name	TUBB, partial
NCBI Official Synonym Full Names	tubulin, beta 2A class IIa
NCBI Official Symbol	TUBB2A
NCBI Official Synonym Symbols	TUBB; TUBB2; CDCBM5; dJ40E16.7
NCBI Protein Information	tubulin beta-2A chain; class IIa beta-tubulin; tubulin beta class IIa; tubulin, beta polypeptide 2
UniProt Protein Name	Tubulin beta-2A chain
UniProt Gene Name	TUBB2A
UniProt Synonym Gene Names	TUBB2
UniProt Entry Name	TBB2A_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.