

Human Tubulin beta2A Chain ELISA Kit | TUBB2A elisa kit

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CATALOG #
AAA247274

REACTIVITY
Human

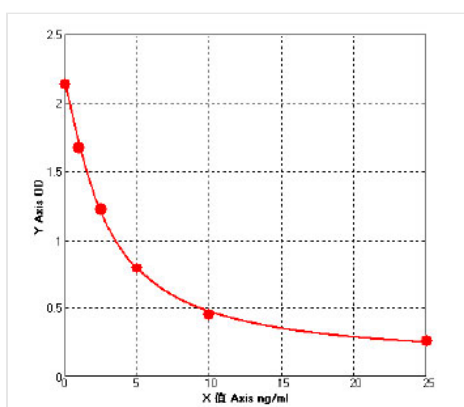
PRODUCT SYNONYMS

Tubulin beta2A Chain; Human Tubulin beta2A Chain ELISA Kit; TUBB2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TUBB2A. No significant cross-reactivity or interference between TUBB2A and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TUBB2A and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	445
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TUBB2A elisa kit	Intended Uses: This TUBB2A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TUBB2A. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TUBB2A ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TUBB2A antibody and an TUBB2A-HRP conjugate. The assay sample and buffer are incubated together with TUBB2A-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 TUBB2A concentration since TUBB2A from samples and TUBB2A-HRP conjugate compete for the anti-TUBB2A antibody binding site. Since the number of sites is limited, as more sites are occupied by TUBB2A from the sample, fewer sites are left to bind TUBB2A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TUBB2A concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507729
NCBI GeneID	7280
NCBI Accession #	NP_001060.1
NCBI GenBank Nucleotide #	NM_001069.3
UniProt Accession #	Q13885; Q6FGZ8; Q8IWR2
Molecular Weight	49,907 Da
NCBI Official Full Name	tubulin beta-2A chain isoform 1
NCBI Official Synonym Full Names	tubulin beta 2A class IIa
NCBI Official Symbol	TUBB2A
NCBI Official Synonym Symbols	TUBB; TUBB2; CDCBM5
NCBI Protein Information	tubulin beta-2A chain
UniProt Protein Name	Tubulin beta-2A chain
UniProt Gene Name	TUBB2A
UniProt Synonym Gene Names	TUBB2

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.