

Human beta tubulin ELISA Kit | TUBB elisa kit

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CATALOG #
AAA84573

REACTIVITY
Human

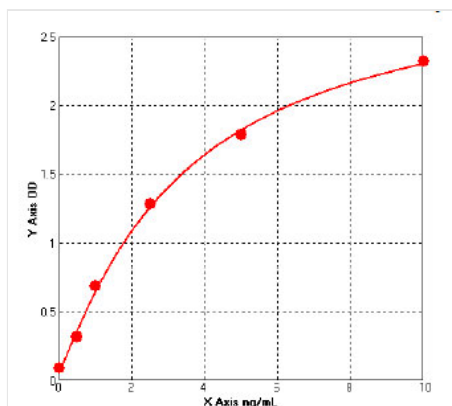
PRODUCT SYNONYMS

beta tubulin; Human beta tubulin ELISA Kit; Human b tubulin ELISA Kit; TUBB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TUBbeta. No significant cross-reactivity or interference between TUBbeta and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TUBbeta and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TUBB elisa kit	Intended Uses: This TUBbeta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TUBbeta. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TUBbeta ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for TUBbeta. Standards or samples are then added to the microtiter plate wells and TUBbeta if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of TUBbeta present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for TUBbeta are added to each well to "sandwich" the TUBbeta immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain TUBbeta and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TUBbeta concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TUBB elisa kit	Cell Biology

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.