

Rat Tubulin Beta 3 (TUBb3) ELISA Kit | TUBb3 elisa kit

Rat Tubulin Beta 3 (TUBb3) ELISA Kit

CATALOG #
AAA219742

REACTIVITY
Rat

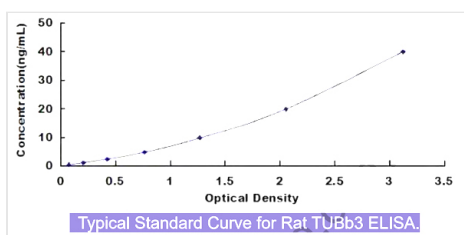
PRODUCT SYNONYMS

Tubulin Beta 3 (TUBb3); Rat Tubulin Beta 3 (TUBb3) ELISA Kit; MC1R; TUBB4; Tubulin beta-4 chain; TUBb3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TUBb3. No significant cross-reactivity or interference between TUBb3 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates or other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.295ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TUBb3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TUBb3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. Shelf life: ~12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TUBb3 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TUBb3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TUBb3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TUBb3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of TUBb3 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TUBb3 in rat tissue homogenates, cell lysates or other biological fluids.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	145966774
NCBI GeneID	246118
NCBI Accession #	NP_640347.2
NCBI GenBank Nucleotide #	NM_139254.2
UniProt Accession #	Q4QRB4; Q8K5B6
Molecular Weight	50,419 Da
NCBI Official Full Name	tubulin beta-3 chain
NCBI Official Synonym Full Names	tubulin, beta 3 class III
NCBI Official Symbol	Tubb3
NCBI Protein Information	tubulin beta-3 chain; neuron-specific class III beta-tubulin
UniProt Protein Name	Tubulin beta-3 chain
UniProt Gene Name	Tubb3
UniProt Entry Name	TBB3_RAT

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.