

Human Tubulin Alpha 1A (TUBa1A) ELISA Kit | TUBa1A elisa kit

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CATALOG #
AAA188243

REACTIVITY
Human

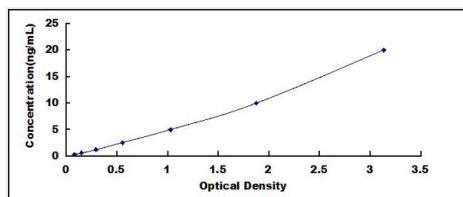
PRODUCT SYNONYMS

Tubulin Alpha 1A (TUBa1A); Human Tubulin Alpha 1A (TUBa1A) ELISA Kit; B-ALPHA-1; TUBA3; Brain-Specific Tubulin;Alpha; Alpha-tubulin 3; Tubulin B-alpha-1; TUBa1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Tubulin Alpha 1A (TUBa1A). No significant cross-reactivity or interference between Tubulin Alpha 1A (TUBa1A) and analogues was observed.
Sequence Length	451
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.118ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Tubulin Alpha 1A (TUBa1A) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Tubulin Alpha 1A (TUBa1A) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TUBa1A elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Tubulin Alpha 1A (TUBa1A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Tubulin Alpha 1A (TUBa1A). 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 Tubulin Alpha 1A (TUBa1A), 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 Tubulin Alpha 1A (TUBa1A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29791746
NCBI GeneID	7846
NCBI Official Full Name	Tubulin, alpha 1a
NCBI Official Synonym Full Names	tubulin alpha 1a
NCBI Official Symbol	TUBA1A
NCBI Official Synonym Symbols	LIS3; TUBA3; B-ALPHA-1
NCBI Protein Information	tubulin alpha-1A chain

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/tubulin-alpha-1a-tuba1a/188243>