

## Mouse Tubulin alpha-4A Chain (TUBA4A) ELISA Kit | TUBA4A elisa kit

Mouse Tubulin alpha-4A Chain (TUBA4A) ELISA Kit

CATALOG #  
**AAA332060**

REACTIVITY  
**Mouse**

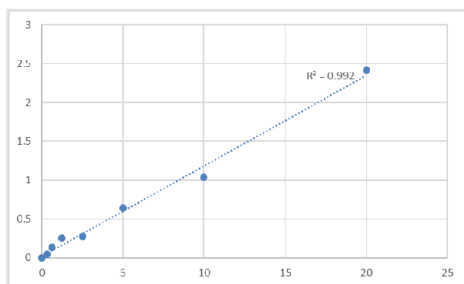
### PRODUCT SYNONYMS

Tubulin alpha-4A Chain (TUBA4A); Mouse Tubulin alpha-4A Chain (TUBA4A) ELISA Kit; TUBA4A; FLJ30169; H2-ALPHA; TUBA1; tubulin alpha-1 chain; tubulin; alpha 1 (testis specific); TUBA4A elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Mouse Tubulin alpha-4A chain (TUBA4A) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TUBA4A. No significant cross-reactivity or interference between Mouse TUBA4A and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Length         | 448                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Mouse Tubulin alpha-4A chain (TUBA4A) Standard Curve.

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TUBA4A elisa kit | <p>Description: This Mouse Tubulin alpha-4A chain (TUBA4A) ELISA Kit employs a two-site sandwich ELISA to quantitate TUBA4A in samples. An antibody specific for TUBA4A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TUBA4A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TUBA4A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TUBA4A bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: By searching a skeletal muscle EST database, followed by PCR screening of a muscle cDNA library, Stanchi et al. (2000) isolated a cDNA encoding TUBA8. The deduced 449-amino acid protein is 99% identical to the mouse sequence. Quantitative RT-PCR analysis detected TUBA8 expression primarily in heart, skeletal muscle, and testis, with lower expression in brain and pancreas. In mouse embryos, Abdollahi et al. (2009) found wide expression of Tuba8 in developing neural structures. Areas included the cortical preplate, cingulate cortex, hypothalamus, hippocampus, olfactory bulb, and cerebellum. The distribution suggested that Tuba8 has a role in neuronal migration of deep-layer neurons as well as of the cortical plate. Studies of a fusion human TUBA8 protein in cell culture indicated a role in microtubule assembly.</p> |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                  |
|----------------------------------|----------------------------------|
| NCBI GI #                        | 6678467                          |
| NCBI GeneID                      | 22145                            |
| NCBI Accession #                 | NP_033473.1                      |
| NCBI GenBank Nucleotide #        | NP_033473.1                      |
| UniProt Accession #              | P68368                           |
| NCBI Official Full Name          | tubulin alpha-4A chain isoform 1 |
| NCBI Official Synonym Full Names | tubulin, alpha 4A                |
| NCBI Official Symbol             | Tuba4a                           |
| NCBI Official Synonym Symbols    | M[a]4; Tuba4                     |
| NCBI Protein Information         | tubulin alpha-4A chain           |
| UniProt Protein Name             | Tubulin alpha-4A chain           |
| UniProt Gene Name                | <b>Tuba4a</b>                    |
| UniProt Synonym Gene Names       | Tuba4                            |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/tubulin-alpha-4a-chain-tuba4a/332060>