

## Mouse Tubulin Alpha 3c ELISA Kit | TUBa3C elisa kit

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CATALOG #  
**AAA86509**

REACTIVITY  
**Mouse**

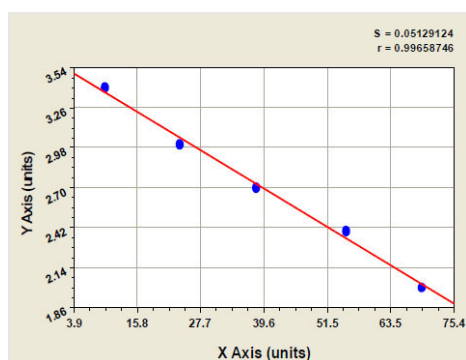
### PRODUCT SYNONYMS

Tubulin Alpha 3c; Mouse Tubulin Alpha 3c ELISA Kit; TUBa3C elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                 |
| Assay Type              | Competitive                                                                                                                                                                                |
| Sensitivity             | 1.0 pg/mL.                                                                                                                                                                                 |
| Intended Uses           | This TUBa3C ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse TUBa3C. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for TUBa3C elisa kit

**Principle of the assay:** TUBa3C ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TUBa3C antibody and an TUBa3C-HRP conjugate. The assay sample and buffer are incubated together with TUBa3C-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 TUBa3C concentration since TUBa3C from samples and TUBa3C-HRP conjugate compete for the anti-TUBa3C antibody binding site. Since the number of sites is limited, as more sites are occupied by TUBa3C from the sample, fewer sites are left to bind TUBa3C-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TUBa3C concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------|
| NCBI GI #                        | 156564363                                                                       |
| NCBI GeneID                      | 113457                                                                          |
| NCBI Accession #                 | NP_525125.2                                                                     |
| NCBI GenBank Nucleotide #        | NM_080386.3                                                                     |
| Molecular Weight                 | 46,112 Da                                                                       |
| NCBI Official Full Name          | tubulin alpha-3C/D chain                                                        |
| NCBI Official Synonym Full Names | tubulin, alpha 3d                                                               |
| NCBI Official Symbol             | TUBA3D                                                                          |
| NCBI Official Synonym Symbols    | H2-ALPHA                                                                        |
| NCBI Protein Information         | tubulin alpha-3C/D chain; tubulin alpha-2 chain; alpha-tubulin isotype H2-alpha |
| UniProt Protein Name             | Tubulin alpha-3C/D chain                                                        |
| UniProt Gene Name                | TUBA3C                                                                          |
| UniProt Synonym Gene Names       | TUBA2<br>TUBA3D                                                                 |
| UniProt Entry Name               | TBA3C_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.

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/tuba3c-mouse-elisa-kits/tubulin-alpha-3c/86509>