

## Rat beta-tubulin ELISA Kit | TUBB elisa kit

Rat beta-tubulin ELISA Kit

CATALOG #  
AAA85609

REACTIVITY  
Rat

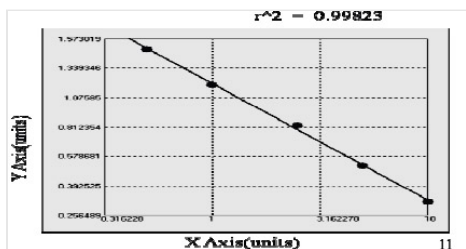
### PRODUCT SYNONYMS

beta-tubulin; Rat beta-tubulin ELISA Kit; Rat b-tubulin ELISA Kit; TUBB elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Rat                                                                        |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Sandwich                                                                   |
| Detection Range         | 25-500pg/mL                                                                |
| Sensitivity             | 1.0pg/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 Rat TUBbeta. This ELISA kit for research use only!

**Principle of the Assay:** TUBbeta ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TUBbeta antibody and an TUBbeta-HRP conjugate. The assay sample and buffer are incubated together with TUBbeta-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 TUBbeta concentration since TUBbeta from samples and TUBbeta-HRP conjugate compete for the anti-TUBbeta antibody binding site. Since the number of sites is limited, as more sites are occupied by TUBbeta from the sample, fewer sites are left to bind TUBbeta-HRP conjugate. 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.

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/tubb-rat-elisa-kits/beta-tubulin/85609>