

## Mouse Protein Tob2 (TOB2) ELISA Kit | TOB2 elisa kit

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CATALOG #  
**AAA332096**

REACTIVITY  
**Mouse**

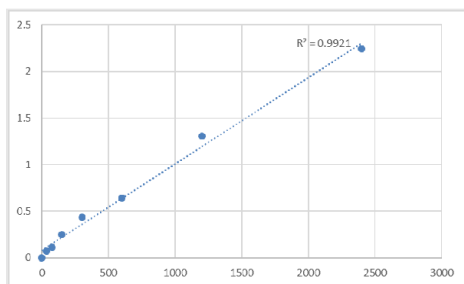
### PRODUCT SYNONYMS

Protein Tob2 (TOB2); Mouse Protein Tob2 (TOB2) ELISA Kit; TOB2; TOB4; TOBL; TROB2; TOB2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Mouse Protein Tob2 (TOB2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TOB2. No significant cross-reactivity or interference between Mouse TOB2 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Length         | 345                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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 Protein Tob2 (TOB2) Standard Curve.

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Related Product Information for TOB2 elisa kit | <p>Description: This Mouse Protein Tob2 (TOB2) ELISA Kit employs a two-site sandwich ELISA to quantitate TOB2 in samples. An antibody specific for TOB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TOB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOB2 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 TOB2 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: Target of EGR1 protein 1 is a protein encoded by the TOE1 gene.Egr1, an immediate early transcription factor, responds to diverse stimuli and affects gene transcription to accomplish its biological effects. One important effect of Egr1 expression is to decrease the growth and tumorigenic potential of several tumor cell types. To identify important Egr1 target genes, adapted a methodology involving formaldehyde-induced protein-DNA cross-linking, chromatin immunoprecipitation, and multiplex PCR. Using this approach, report the cloning of a new Egr1 target gene that is able to account, at least in part, for the growth inhibitory activity of Egr1. TOE1 belongs to the CAF1 family. inhibits cell growth rate and cell cycle. Induces CDKN1A expression as well as TGF-beta expression. mediates the inhibitory growth effect of EGR1.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 10048440                                          |
| NCBI GeneID                      | 57259                                             |
| NCBI Accession #                 | NP_065253.1                                       |
| NCBI GenBank Nucleotide #        | NP_065253.1                                       |
| UniProt Accession #              | Q9JM55                                            |
| NCBI Official Full Name          | protein Tob2                                      |
| NCBI Official Synonym Full Names | transducer of ERBB2, 2                            |
| NCBI Official Symbol             | Tob2                                              |
| NCBI Official Synonym Symbols    | AV071822; mKIAA1663; 2900090N22Rik; 4930545K18Rik |
| NCBI Protein Information         | protein Tob2                                      |
| UniProt Protein Name             | Protein Tob2                                      |
| UniProt Gene Name                | Tob2                                              |
| UniProt Entry Name               | TOB2_MOUSE                                        |

**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.