

Mouse Protein Tob1 (TOB1) ELISA Kit | TOB1 elisa kit

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CATALOG #
AAA332097

REACTIVITY
Mouse

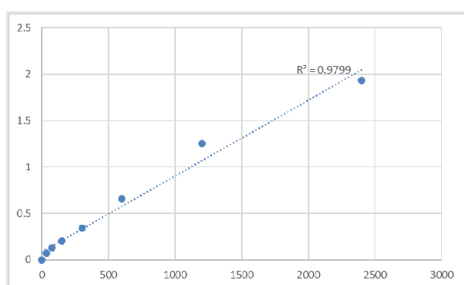
PRODUCT SYNONYMS

Protein Tob1 (TOB1); Mouse Protein Tob1 (TOB1) ELISA Kit; TOB1; APRO6; MGC104792; MGC34446; PIG49; TOB; TROB; TROB1; transducer of erbB-2; TOB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Protein Tob1 (TOB1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TOB1. No significant cross-reactivity or interference between Mouse TOB1 and analogues was observed.
Sequence Length	362
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Protein Tob1 (TOB1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TOB1 elisa kit	Description: This Mouse Protein Tob1 (TOB1) ELISA Kit employs a two-site sandwich ELISA to quantitate TOB1 in samples. An antibody specific for TOB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TOB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOB1 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 TOB1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TOB1 encodes a member of the tob/btg1 family of anti-proliferative proteins that have the potential to regulate cell growth. When exogenously expressed, this protein supresses cell growth in tissue culture. The protein undergoes phophorylation by a serine/threonine kinase, 90 kDa ribosomal S6 kinase. Interactions of this protein with the v-erb-b2 erythroblastic leukemia viral oncogene homolog 2 gene product p185 interferes with growth suppression. This protein inhibits T cell proliferation and transcription of cytokines and cyclins. The protein interacts with both mothers against decapentaplegic Drosophila homolog 2 and 4 to enhance their DNA binding activity. This interaction inhibits interleukin 2 transcription in T cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61676219
NCBI GeneID	22057
NCBI Accession #	NP_033453.2
NCBI GenBank Nucleotide #	NP_033453.2
UniProt Accession #	Q61471
NCBI Official Full Name	protein Tob1
NCBI Official Synonym Full Names	transducer of ErbB-2.1
NCBI Official Symbol	Tob1
NCBI Official Synonym Symbols	Tob; Trob
NCBI Protein Information	protein Tob1
UniProt Protein Name	Protein Tob1
UniProt Gene Name	Tob1
UniProt Synonym Gene Names	Tob; Trob
UniProt Entry Name	TOB1_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.