

## Guinea Pig Microsomal Triglyceride Transfer Protein ELISA Kit | MTTP elisa kit

Guinea pig Microsomal Triglyceride Transfer Protein ELISA Kit

CATALOG #  
**AAA97160**

REACTIVITY  
**Guinea Pig**

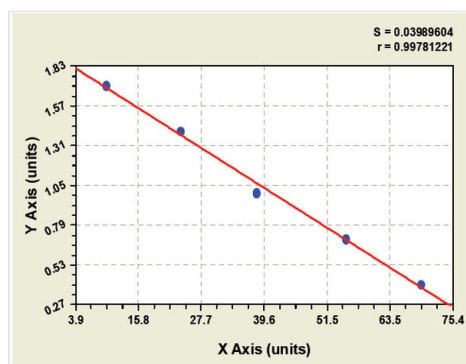
### PRODUCT SYNONYMS

Microsomal Triglyceride Transfer Protein; Guinea pig Microsomal Triglyceride Transfer Protein ELISA Kit; MTTP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Guinea Pig                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                  |
| Assay Type              | Competitive                                                                                                                                                                                 |
| Intended Uses           | This MTTP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig MTTP. This ELISA kit for research use only, not for therapeutic applications  |
| Intended Uses           | This MTTP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig MTTP. 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 MTTP elisa kit

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

NCBI AND UNIPROT INFORMATION

|                         |                                                   |
|-------------------------|---------------------------------------------------|
| NCBI GI #               | 4261846                                           |
| Molecular Weight        | 2,268 Da                                          |
| NCBI Official Full Name | microsomal triglyceride transfer protein, partial |
| UniProt Protein Name    | Microsomal triglyceride transfer protein          |
| UniProt Gene Name       | MTP                                               |
| UniProt Entry Name      | Q16240_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/mtt-guinea-pig-elisa-kits/microsomal-triglyceride-transfer-protein/97160>