

Human Mitochondrial Tumor Suppressor 1 (MTUS1) ELISA Kit | MTUS1 elisa kit

Human Mitochondrial Tumor Suppressor 1 (MTUS1)(Sandwich ELISA) ELISA Kit

CATALOG # AAA150911	REACTIVITY Human	APPLICATIONS ELISA
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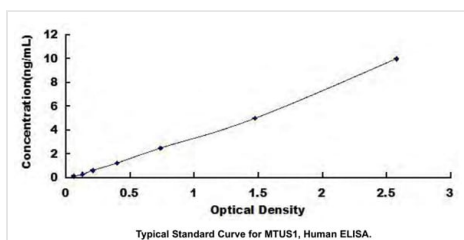
PRODUCT SYNONYMS

Mitochondrial Tumor Suppressor 1 (MTUS1); Human Mitochondrial Tumor Suppressor 1 (MTUS1)(Sandwich ELISA) ELISA Kit; ELISA Kit for Mitochondrial Tumor Suppressor 1 (MTUS1); MTUS1/Mitochondrial Tumor Suppressor 1; ATIP; MP44; MTSG1; ATIP1; ATBP; Microtubule Associated Tumor Suppressor 1; AT2 Receptor-Interacting Protein; Angiotensin-II type 2 receptor-interacting protein; MTUS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MTUS1. No significant cross-reactivity or interference between MTUS1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.062ng/mL
Applicable Applications for MTUS1 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MTUS1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MTUS1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month; -20 degree C for long-term (within shelf life) The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MTUS1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MTUS1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MTUS1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MTUS1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of MTUS1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MTUS1 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for MTUS1 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	1386876321
NCBI GeneID	57509
NCBI Accession #	NP_001349988.1
NCBI GenBank Nucleotide #	NM_001363059.1
UniProt Accession #	Q9ULD2; Q63HJ6; Q659F4; Q6PK49; Q6URW7; Q8N4M6; A8K135; B2RBJ6; B3KWJ9; B4DH03; B9EGA1; D3DSP8
Molecular Weight	135,661 Da
NCBI Official Full Name	microtubule-associated tumor suppressor 1 isoform 1
NCBI Official Synonym Full Names	microtubule associated scaffold protein 1
NCBI Official Symbol	MTUS1
NCBI Official Synonym Symbols	ATBP; ATIP; ICIS; MP44; ATIP3; MTSG1
NCBI Protein Information	microtubule-associated tumor suppressor 1
UniProt Protein Name	Microtubule-associated tumor suppressor 1
UniProt Gene Name	MTUS1
UniProt Synonym Gene Names	ATBP; ATIP; GK1; KIAA1288; MTSG1

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.