

Human Ubiquitin Specific Peptidase 14 (USP14) ELISA Kit | USP14 elisa kit

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CATALOG #
AAA186744

REACTIVITY
Human

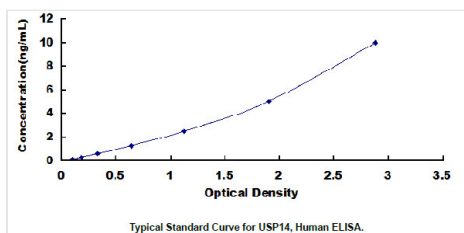
PRODUCT SYNONYMS

Ubiquitin Specific Peptidase 14 (USP14); Human Ubiquitin Specific Peptidase 14 (USP14) ELISA Kit; TGT; tRNA-Guanine Transglycosylase; Ubiquitin Specific Protease 14; Deubiquitinating enzyme 14; Ubiquitin carboxyl-terminal hydrolase 14; USP14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of USP14. No significant cross-reactivity or interference between USP14 and analogues was observed.
Sequence Length	490
Samples	Human tissue homogenates, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level USP14 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 USP14 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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 USP14 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of USP14 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to USP14. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to USP14. 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 USP14, 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 USP14 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	54020791
NCBI GeneID	448110
NCBI Accession #	NP_001005641.1
NCBI GenBank Nucleotide #	NM_001005641.1
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 14
NCBI Official Synonym Full Names	ubiquitin specific peptidase 14
NCBI Official Symbol	usp14
NCBI Official Synonym Symbols	tgt
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 14

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ubiquitin-specific-peptidase-14-usp14/186744>