

Human Ubiquitin Carboxyl-Terminal Hydrolase 14 (USP14) ELISA Kit | USP14 elisa kit

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CATALOG #
AAA330306

REACTIVITY
Human

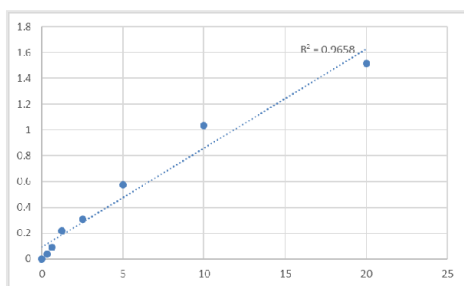
PRODUCT SYNONYMS

Ubiquitin Carboxyl-Terminal Hydrolase 14 (USP14); Human Ubiquitin Carboxyl-Terminal Hydrolase 14 (USP14) ELISA Kit; USP14; TGT; deubiquitinating enzyme 14; tRNA-guanine transglycosylase; 60-kD subunit; ubiquitin carboxyl-terminal hydrolase 14; ubiquitin specific protease 14; ubiquitin specific protease 14 (tRNA-guanine tran; USP14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Ubiquitin carboxyl-terminal hydrolase 14 (USP14) ELISA Kit has high sensitivity and excellent specificity for detection of Human USP14. No significant cross-reactivity or interference between Human USP14 and analogues was observed.
Sequence Length	349
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. Human Ubiquitin carboxyl-terminal hydrolase 14 (USP14) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for USP14 elisa kit	Description: This Human Ubiquitin carboxyl-terminal hydrolase 14 (USP14) ELISA Kit employs a two-site sandwich ELISA to quantitate USP14 in samples. An antibody specific for USP14 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any USP14 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for USP14 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 USP14 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Ubiquitin carboxyl-terminal hydrolase 14 is a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinated proteins. Mice with a mutation that results in reduced expression of the ortholog of this protein are retarded for growth, develop severe tremors by 2 to 3 weeks of age followed by hindlimb paralysis and death by 6 to 10 weeks of age. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119622143
NCBI GeneID	9097
UniProt Accession #	P54578
NCBI Official Full Name	ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase), isoform CRA_c
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
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 14
UniProt Gene Name	USP14
UniProt Synonym Gene Names	TGT
UniProt Entry Name	UBP14_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.