

Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) ELISA Kit | UCHL1 elisa kit

Multi-species Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) ELISA Kit

CATALOG #
AAA23063

REACTIVITY
Human, Mouse, Rat

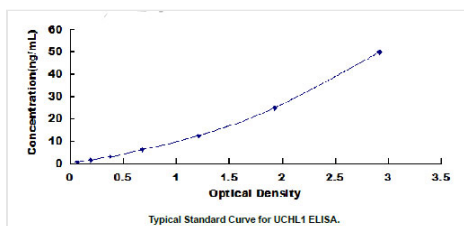
PRODUCT SYNONYMS

Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1); Multi-species Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) ELISA Kit; Human/Mouse/Rat Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) (Sandwich ELISA) ELISA Kit; PARK5; PGP9.5; Uch-L1; Neuron cytoplasmic protein 9.5; Ubiquitin thioesterase L1; Ubiquitin carboxyl-terminal hydrolase isozyme L1; UCHL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	This assay has high sensitivity for detection of UCHL1. 100% cross-reactivity of UCHL1 was observed among human, mouse and rat.
Sequence Length	223
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids. due to the 96% homology of the sequence among different species, the kit can be used to detect human, mouse and rat samples
Assay Type	Quantitative Sandwich
Detection Range	0.78-50ng/mL
Sensitivity	< 0.27ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level UCHL1 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 UCHL1 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 UCHL1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of UCHL1 in tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Due to the 96% homology of the sequence among different species, the kit can be used to detect human, mouse and rat samples. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to UCHL1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to UCHL1. 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 UCHL1, 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 UCHL1 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 #	21361091
NCBI GeneID	7345
NCBI Accession #	NP_004172.2
NCBI GenBank Nucleotide #	NM_004181.4
UniProt Accession #	P09936; Q4W5K6; Q71UM0
Molecular Weight	24,824 Da
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase isozyme L1
NCBI Official Synonym Full Names	ubiquitin C-terminal hydrolase L1
NCBI Official Symbol	UCHL1
NCBI Official Synonym Symbols	NDGOA; PARK5; PGP95; SPG79; PGP9.5; Uch-L1; HEL-117; PGP 9.5; HEL-S-53
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase isozyme L1
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase isozyme L1
UniProt Gene Name	UCHL1
UniProt Synonym Gene Names	UCH-L1; PGP9.5

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.