

Human Ubiquitin (Ub) ELISA Kit | Ub elisa kit

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CATALOG #
AAA137664

REACTIVITY
Human

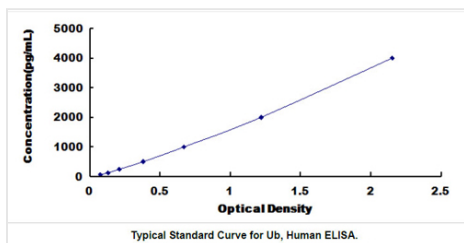
PRODUCT SYNONYMS

Ubiquitin (Ub); Human Ubiquitin (Ub) ELISA Kit; Ub elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Ubiquitin (Ub) No significant cross-reactivity or interference between Ubiquitin (Ub) and analogues was observed.
Sequence Length	685
Samples	Serum, plasma and other biological fluids
Assay Type	Sandwich
Detection Range	62.5-4000pg/mL The standard curve concentrations used for the ELISA's were 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL
Sensitivity	Typically less than 25.4pg/mL.
Organism Species	Homo sapiens (Human)
ELISA Type	Sandwich
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Ubiquitin (Ub) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Ubiquitin (Ub) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ 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 Ub elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Ubiquitin (Ub). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Ubiquitin (Ub). 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 Ubiquitin (Ub), 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 Ubiquitin (Ub) 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 #	340068
NCBI GeneID	7316
UniProt Accession #	P0CG48; P02248; P02249; P02250; P62988; Q29120; Q6LBL4; Q6LDU5; Q8WYN8; Q91887; Q91888; Q9BWD6
Molecular Weight	77,039 Da
NCBI Official Full Name	ubiquitin
NCBI Official Synonym Full Names	ubiquitin C
NCBI Official Symbol	UBC
NCBI Official Synonym Symbols	HMG20
NCBI Protein Information	polyubiquitin-C
UniProt Protein Name	Polyubiquitin-C
UniProt Gene Name	UBC
UniProt Entry Name	UBC_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/ubiquitin-ub/137664>