

Human Ubiquitin C (UBC) ELISA Kit | UBC elisa kit

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CATALOG # AAA56054	REACTIVITY Human
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PRODUCT SYNONYMS

Ubiquitin C (UBC); Human Ubiquitin C (UBC) ELISA Kit; HMG20; polyubiquitin-C; UBC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human UBC. No significant cross-reactivity or interference between Human UBC and analogues was observed.
Sequence Length	690
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	3.12 ng/mL - 200 ng/mL
Sensitivity	1 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for UBC elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate UBC in Human serum, plasma. An antibody specific for UBC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any UBC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UBC 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 UBC bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Human Ubiquitin C (UBC) concentration in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	329665078
NCBI GeneID	444874
NCBI Accession #	NP_001193236.1
NCBI GenBank Nucleotide #	NM_001206307.1
UniProt Accession #	P0CH28; O97577; P02248; P02249; P02250; P0CG52; P62990; P80169; Q01235; Q24K23; Q28169; Q28170

Molecular Weight	77,570 Da
NCBI Official Full Name	polyubiquitin-C
NCBI Official Symbol	UBC
NCBI Protein Information	polyubiquitin-C
UniProt Protein Name	Polyubiquitin-C
UniProt Gene Name	UBC

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-c-ubc/56054>