

Human Polyubiquitin-B ELISA Kit | UBB elisa kit

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CATALOG #
AAA100042

REACTIVITY
Human

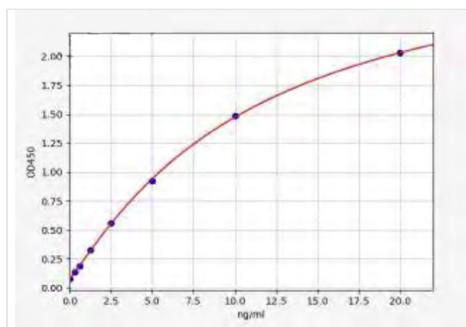
PRODUCT SYNONYMS

Polyubiquitin-B; Human Polyubiquitin-B ELISA Kit; UBB/polyubiquitin B/polyubiquitin-B/RPS27A/UBA52/UBC/ubiquitin B/Ubiquitin+1; UBB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize UBB, no obvious cross reaction with other analogues
Sequence Length	305
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UBB elisa kit	Background: Polyubiquitin-B(UBB) are central regulators of the formation of covalently linked isopeptide bonds in different states: monoubiquitin, polyubiquitin chains, or linear polyubiquitin. Diseases associated with UBB include Submucosal Cleft Palate and Cleft Hard Palate. Among its related pathways are Regulation of activated PAK-2p34 by proteasome mediated degradation and MyD88 dependent cascade initiated on endosome. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti UBB antibody was pre-coated onto the 96-well plate. The biotin conjugated anti UBB antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with UBB conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of UBB in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	768711624
NCBI GeneID	192255
NCBI Accession #	NP_620250.2
NCBI GenBank Nucleotide #	NM_138895.2
Molecular Weight	34,369 Da
NCBI Official Full Name	polyubiquitin-B
NCBI Official Synonym Full Names	ubiquitin B
NCBI Official Symbol	Ubb
NCBI Protein Information	polyubiquitin-B
UniProt Protein Name	Polyubiquitin-B
UniProt Gene Name	Ubb
UniProt Entry Name	UBB_RAT

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/ubb-human-elisa-kits/polyubiquitin-b/100042>