

Rat Ubiquitin ELISA Kit | UB elisa kit

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CATALOG #
AAA85421

REACTIVITY
Rat

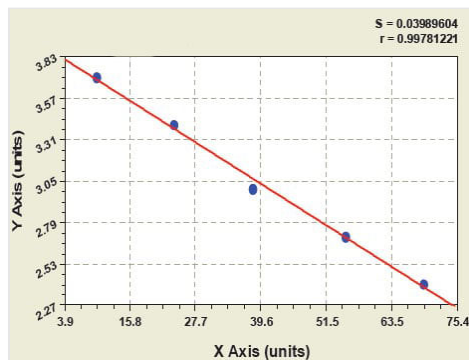
PRODUCT SYNONYMS

Ubiquitin; Rat Ubiquitin ELISA Kit; UB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000 pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This UB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat UB. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UB elisa kit

Principle of the Assay: UB ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-UB antibody and an UB-HRP conjugate. The assay sample and buffer are incubated together with UB-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the UB concentration since UB from samples and UB-HRP conjugate compete for the anti-UB antibody binding site. Since the number of sites is limited, as more sites are occupied by UB from the sample, fewer sites are left to bind UB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The UB concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37571
NCBI GeneID	6233
UniProt Accession #	P62979; P02248; P02249; P02250; P14798; P62988; Q29120; Q6LBL4; Q6LDU5; Q8WYN8; Q91887; Q91888
Molecular Weight	17,965 Da
NCBI Official Full Name	ubiquitin
NCBI Official Synonym Full Names	ribosomal protein S27a
NCBI Official Symbol	RPS27A
NCBI Official Synonym Symbols	UBC; S27A; CEP80; UBA80; HEL112; UBCEP1; UBCEP80
NCBI Protein Information	ubiquitin-40S ribosomal protein S27a; ubiquitin C; ubiquitin-CEP80; epididymis luminal protein 112; ubiquitin and ribosomal protein S27a; ubiquitin carboxyl extension protein 80
UniProt Protein Name	Ubiquitin-40S ribosomal protein S27a
UniProt Gene Name	RPS27A
UniProt Synonym Gene Names	UBA80; UBCEP1
UniProt Entry Name	RS27A_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.