

Human Deubiquitinating enzyme ELISA Kit | DUB elisa kit

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CATALOG #
AAA85316

REACTIVITY
Human

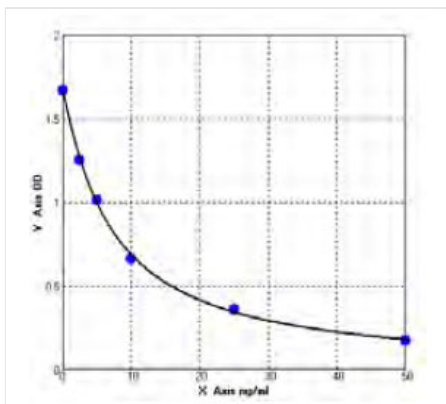
PRODUCT SYNONYMS

Deubiquitinating enzyme; Human Deubiquitinating enzyme ELISA Kit; DUB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DUB. No significant cross-reactivity or interference between DUB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DUB and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DUB elisa kit	Intended Uses: This DUB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DUB. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: DUB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DUB antibody and an DUB-HRP conjugate. The assay sample and buffer are incubated together with DUB-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 DUB concentration since DUB from samples and DUB-HRP conjugate compete for the anti-DUB antibody binding site. Since the number of sites is limited, as more sites are occupied by DUB from the sample, fewer sites are left to bind DUB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DUB concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5814097
NCBI GeneID	9958
Molecular Weight	27,094 Da
NCBI Official Full Name	deubiquitinating enzyme
NCBI Official Synonym Full Names	ubiquitin specific peptidase 15
NCBI Official Symbol	USP15
NCBI Official Synonym Symbols	UNPH4; UNPH-2
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 15; ubiquitin thioesterase 15; deubiquitinating enzyme 15; ubiquitin thiolesterase 15; ubiquitin-specific-processing protease 15
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 15
UniProt Gene Name	USP15
UniProt Synonym Gene Names	KIAA0529
UniProt Entry Name	UBP15_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.