

Human E1/ubiquitin activating enzyme ELISA Kit | E1/UBAE elisa kit

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CATALOG #
AAA85530

REACTIVITY
Human

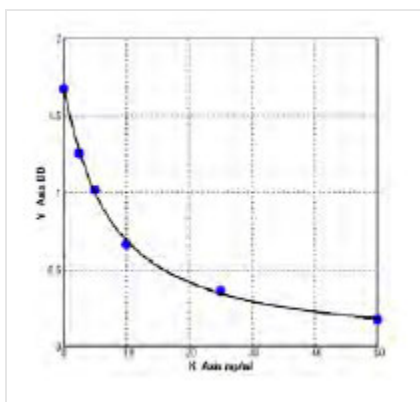
PRODUCT SYNONYMS

E1/ubiquitin activating enzyme; Human E1/ubiquitin activating enzyme ELISA Kit; E1/UBAE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for E1/UBAE elisa kit

Intended Uses: This U2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human U2. This ELISA kit for research use only!

Principle of the Assay: U2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-U2 antibody and an U2-HRP conjugate. The assay sample and buffer are incubated together with U2-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 U2 concentration since U2 from samples and U2-HRP conjugate compete for the anti-U2 antibody binding site. Since the number of sites is limited, as more sites are occupied by U2 from the sample, fewer sites are left to bind U2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The U2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	46389771
NCBI GeneID	79876
Molecular Weight	38,537 Da
NCBI Official Full Name	Ubiquitin activating enzyme
NCBI Official Synonym Full Names	ubiquitin-like modifier activating enzyme 5
NCBI Official Symbol	UBA5
NCBI Official Synonym Symbols	THIFP1; UBE1DC1
NCBI Protein Information	ubiquitin-like modifier-activating enzyme 5; UFM1-activating enzyme; ubiquitin-activating enzyme 5; UBA5, ubiquitin-activating enzyme E1 homolog; ubiquitin-activating enzyme E1-domain containing 1; ubiquitin-activating enzyme E1 domain-containing protein 1
UniProt Protein Name	Ubiquitin-like modifier-activating enzyme 5
UniProt Gene Name	UBA5
UniProt Synonym Gene Names	UBE1DC1; Ubiquitin-activating enzyme 5
UniProt Entry Name	UBA5_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.