

Rat E1/ubiquitin-activating enzyme ELISA Kit | E1/UBAE elisa kit

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CATALOG #
AAA85843

REACTIVITY
Rat

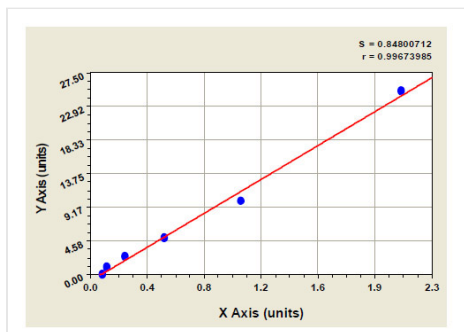
PRODUCT SYNONYMS

E1/ubiquitin-activating enzyme; Rat E1/ubiquitin-activating enzyme ELISA Kit; E1/UBAE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	1.0-25 ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This E1/UBAE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat E1/UBAE. 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 E1/UBAE elisa kit

Principle of the assay: E1/UBAE ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for E1/UBAE. Standards or samples are then added to the microtiter plate wells and E1/UBAE if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of E1/UBAE present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for E1/UBAE are added to each well to "sandwich" the E1/UBAE immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain E1/UBAE and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The E1/UBAE 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.