

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

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CATALOG #
AAA91580

REACTIVITY
Porcine

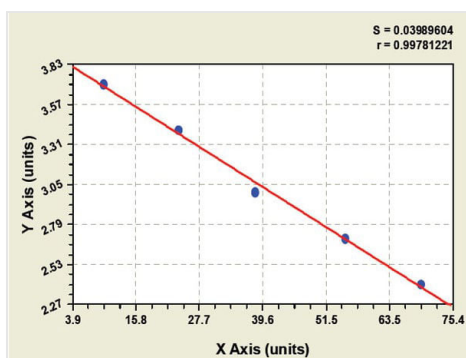
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/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

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This E1/UBAE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine E1/UBAE. This ELISA kit for research use only! 2. **PRINCIPLE OF THE ASSAY** E1/UBAE ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-E1/UBAE antibody and an E1/UBAE-HRP conjugate. The assay sample and buffer are incubated together with E1/UBAE-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 E1/UBAE concentration since E1/UBAE from samples and E1/UBAE-HRP conjugate compete for the anti-E1/UBAE antibody binding site. Since the number of sites is limited, as more sites are occupied by E1/UBAE from the sample, fewer sites are left to bind E1/UBAE-HRP conjugate. 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.