

Mouse Cysteine protease ATG4B (ATG4B) ELISA Kit | ATG4B elisa kit

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CATALOG #
AAA244762

REACTIVITY
Mouse

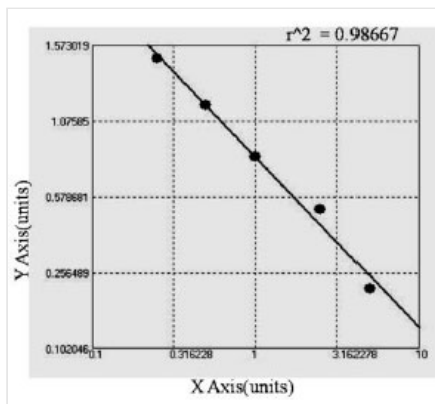
PRODUCT SYNONYMS

Cysteine protease ATG4B (ATG4B); Mouse Cysteine protease ATG4B (ATG4B) ELISA Kit; ATG4B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATG4B elisa kit	Intended Uses: This ATG4B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ATG4B. This ELISA kit for research use only! Principle of the Assay: ATG4B ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ATG4B antibody and an ATG4B-HRP conjugate. The assay sample and buffer are incubated together with ATG4B-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 ATG4B concentration since ATG4B from samples and ATG4B-HRP conjugate compete for the anti-ATG4B antibody binding site. Since the number of sites is limited, as more sites are occupied by ATG4B from the sample, fewer sites are left to bind ATG4B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATG4B concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47132611
NCBI GeneID	23192
NCBI Accession #	NP_037457.3
NCBI GenBank Nucleotide #	NM_013325.4
Molecular Weight	42,622 Da
NCBI Official Full Name	cysteine protease ATG4B isoform a
NCBI Official Synonym Full Names	autophagy related 4B, cysteine peptidase
NCBI Official Symbol	ATG4B
NCBI Official Synonym Symbols	APG4B; AUTL1
NCBI Protein Information	cysteine protease ATG4B; hAPG4B; autophagin-1; APG4 autophagy 4 homolog B; AUT-like 1 cysteine endopeptidase; ATG4 autophagy related 4 homolog B; autophagy-related protein 4 homolog B; autophagy-related cysteine endopeptidase 1
UniProt Protein Name	Cysteine protease ATG4B
UniProt Gene Name	ATG4B
UniProt Synonym Gene Names	APG4B; AUTL1; KIAA0943; hAPG4B
UniProt Entry Name	ATG4B_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.