

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

Human Cysteine protease ATG4B (ATG4B) ELISA Kit

CATALOG #
AAA245653

REACTIVITY
Human

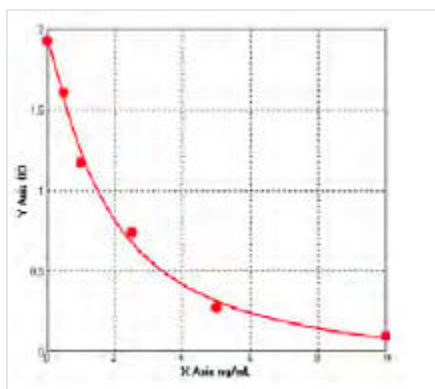
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATG4B. No significant cross-reactivity or interference between ATG4B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATG4B 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 ATG4B elisa kit	Intended Uses: This ATG4B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATG4B. This ELISA kit for research use only, not for therapeutic or test applications!
	Principle of the Assay: ATG4B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/cysteine-protease-atg4b-atg4b/245653>