

Rat Alpha-1-Microglobulin/Bikunin Precursor (a1M) ELISA Kit | a1M elisa kit

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CATALOG #
AAA183131

REACTIVITY
Rat

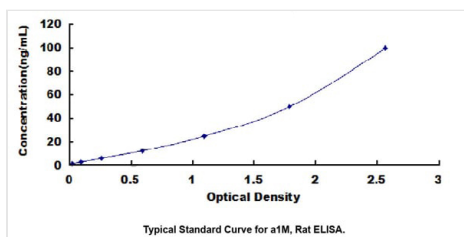
PRODUCT SYNONYMS

Alpha-1-Microglobulin/Bikunin Precursor (a1M); Rat Alpha-1-Microglobulin/Bikunin Precursor (a1M) ELISA Kit; AMBP; UTI; HCP; EDC1; HI30; IATIL; ITILC; ITI; ITIL; Alpha 1 Microglobulin/Bikunin Precursor; Growth-inhibiting protein 19; Uristatin; Uronic-Acid-Rich Protein; Trypstatin; a1M elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of a1M. No significant cross-reactivity or interference between a1M and analogues was observed.
Sequence Length	352
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, urine and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.73ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level a1M were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level a1M were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for a1M elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to a1M. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to a1M. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain a1M, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of a1M in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of a1M in rat serum, plasma, urine and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119607810
NCBI GeneID	259
Molecular Weight	38,999 Da
NCBI Official Full Name	alpha-1-microglobulin/bikunin
NCBI Official Synonym Full Names	alpha-1-microglobulin/bikunin precursor
NCBI Official Symbol	AMBP
NCBI Official Synonym Symbols	A1M; HCP; ITI; UTI; EDC1; HI30; ITIL; IATIL; ITILC
NCBI Protein Information	protein AMBP
UniProt Protein Name	Protein AMBP
UniProt Gene Name	AMBP
UniProt Synonym Gene Names	HCP; ITIL; Protein HC; ITI-LC

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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/alpha-1-microglobulin-bikunin-precursor-a1m/183131>