

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

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

CATALOG #
AAA144569

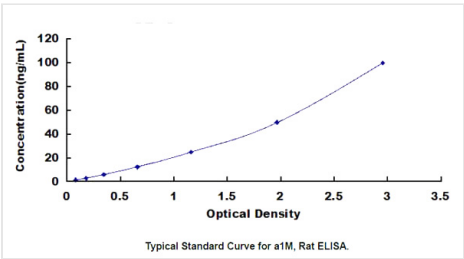
REACTIVITY
Rat

PRODUCT SYNONYMS

Alpha-1-Microglobulin/Bikunin Precursor; 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 Alpha-1-Microglobulin/Bikunin Precursor (a1M). No significant cross-reactivity or interference between Alpha-1-Microglobulin/Bikunin Precursor (a1M) and analogues was observed.
Sequence Length	352
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Urine and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.73ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Alpha-1-Microglobulin/Bikunin Precursor (a1M) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Alpha-1-Microglobulin/Bikunin Precursor (a1M) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for a1M elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Alpha-1-Microglobulin/Bikunin Precursor (a1M). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Alpha-1-Microglobulin/Bikunin Precursor (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 Alpha-1-Microglobulin/Bikunin Precursor (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 Alpha-1-Microglobulin/Bikunin Precursor (a1M) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for a1M elisa kit	Infection immunity; Immune molecule; Kidney biomarker

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
UniProt Entry Name	AMBP_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.