

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

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CATALOG #
AAA138304

REACTIVITY
Rat

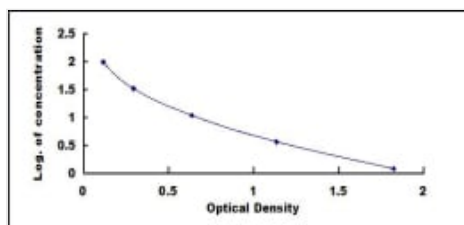
PRODUCT SYNONYMS

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 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
Samples	Serum, plasma, urine and other biological fluids
Assay Type	Competitive
Detection Range	1.23-100ng/mL
Sensitivity	Typically less than 0.49ng/mL.
Precision	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.
Preparation and Storage	For unopened kit: All the reagents should be kept according to the labels on vials. The Standard, Detection Reagent A, Detection Reagent B and the 96-well strip plate should be stored at -20 degree C upon receipt while the others should be at 4 degree C. For opened kit: When the kit is opened, the remaining reagents still need to be stored according to the above storage condition. Besides, please return the unused wells to the foil pouch containing the desiccant pack, and reseal along entire edge of zip-seal. 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: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to a1M has been pre-coated onto a microplate. A competitive inhibition reaction is launched between Horseradish Peroxidase (HRP) labeled a1M and unlabeled a1M (Standards or samples) with the pre-coated antibody specific to a1M. After incubation the unbound conjugate is washed off. The amount of bound HRP conjugate is reverse proportional to the concentration of a1M in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of a1M in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119607810
NCBI GeneID	259
UniProt Accession #	P02760; P00977; P02759; P78491; Q2TU33; Q5TBD7; Q9UC58; Q9UDI8
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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/alpha-1-microglobulin-bikunin-precursor-a1m/138304>