

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

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CATALOG #
AAA64824

REACTIVITY
Rat

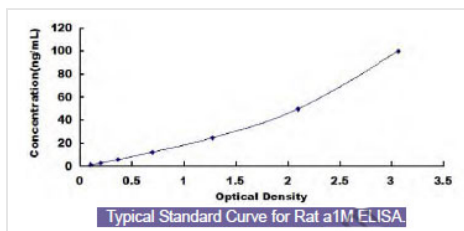
PRODUCT SYNONYMS

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	1500
Samples	Serum, plasma, urine and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.53ng/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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for a1M elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of a1M in rat serum, plasma, urine and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to a1M. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	307746876
NCBI GeneID	252922
NCBI Accession #	NP_665722.2
NCBI GenBank Nucleotide #	NM_145779.2
UniProt Accession #	Q63041; Q63332
Molecular Weight	167,125 Da
NCBI Official Full Name	alpha-1-macroglobulin
NCBI Official Synonym Full Names	pregnancy-zone protein
NCBI Official Symbol	Pzp
NCBI Official Synonym Symbols	A1m
NCBI Protein Information	alpha-1-macroglobulin
UniProt Protein Name	Alpha-1-macroglobulin
UniProt Gene Name	A1m
UniProt Synonym Gene Names	Alpha-1-M

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/64824>