

Rat alpha1-Microglobulin ELISA Kit | alpha1-MG elisa kit

Rat alpha1-Microglobulin ELISA Kit

CATALOG #
AAA100643

REACTIVITY
Rat

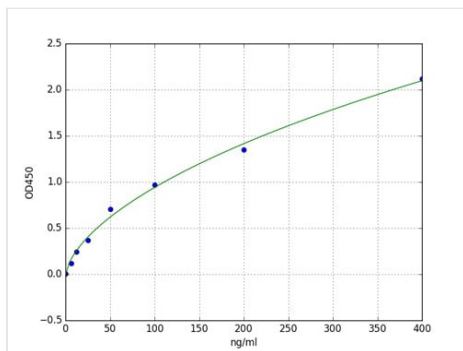
PRODUCT SYNONYMS

alpha1-Microglobulin; Rat alpha1-Microglobulin ELISA Kit; alpha1-MG/AMBP/A1M/EDC1/HCP/HI30/IATIL/ITI/ITIL/ITILC/UTI/A1M/alpha-1-microglobulin/bikunin precursor/bikunin/HCPcomplex-forming glycoprotein heterogeneous in charge/inter-alpha-trypsin inhibitor light chain/ITILgrowth-inhibiting protein 19/protein AMBP/protein HC/trypstatin/uristatin/uronic-acid-rich protein ; a1-Microglobulin; alpha1-MG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	352
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	6.25-400ng/ml
Sensitivity	3.75ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve

Results of a typical standard run of a Rat a1-MG ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	6.25	12.5	25	50	100	200	400
Y	OD450	0.016	0.076	0.080	0.168	0.330	0.726	1.342	2.058

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for alpha1-MG elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat alpha1-MG antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat alpha1-MG antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat alpha1-MG amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat alpha1-MG can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	825614
NCBI GeneID	259
UniProt Accession #	P02760; P00977; P02759; P78491; Q2TU33; Q5TBD7; Q9UC58; Q9UDI8
Molecular Weight	38,999 Da
NCBI Official Full Name	alpha1-microglobulin
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/alpha1-mg-rat-elisa-kits/alpha1-microglobulin/100643>