

Active Human alpha 1-Microglobulin Reference Standard

Cat. No. AMBP-5H Lot. No. (See product label)

SPECIFICATION

Species	Human
Description	This gene encodes a complex glycoprotein secreted in plasma. The precursor is proteolytically processed into distinct functioning proteins: alpha-1-microglobulin, which belongs to the superfamily of lipocalin transport proteins and may play a role in the regulation of inflammatory processes, and bikunin, which is a urinary trypsin inhibitor belonging to the superfamily of Kunitz-type protease inhibitors and plays an important role in many physiological and pathological processes. This gene is located on chromosome 9 in a cluster of lipocalin genes.
Form	Liquid
Bio-activity	The level of alpha 1-Microglobulin in the serum was quantified using ELISA.
Usage	For research use only, not for diagnostic or therapeutic use.
Quality Control Test	Generated from a human serum pool. This lot has been tested by standard laboratory procedures and found to be negative for HIV 1, HIV 2, Hepatitis B and Hepatitis C.
Storage	Stored at -20 °C, 4 °C for less than seven days, frozen for greater than seven days.
Concentration	12.09 ug/ml
Preservative	0.1% sodium azide

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GENE INFORMATION

Gene Name	AMBP alpha-1-microglobulin/bikunin precursor [Homo sapiens]
Official Symbol	AMBP
Synonyms	AMBP; alpha-1-microglobulin/bikunin precursor; ITI, ITIL; protein AMBP; bikunin; complex forming glycoprotein heterogeneous in charge; EDC1; growth inhibiting protein 19; HCP; HI30; IATIL; inter alpha trypsin inhibitor light chain; ITILC; protein HC; trypstatin; uristatin; uronic acid rich protein; UTI; uronic-acid-rich protein; growth-inhibiting protein 19; inter-alpha-trypsin inhibitor light chain; complex-forming glycoprotein heterogeneous in charge; A1M; ITI; ITIL;
Gene ID	259
mRNA Refseq	NM_001633
Protein Refseq	NP_001624
MIM	176870
UniProt ID	P02760
Chromosome Location	9q32-q33
Function	IgA binding; calcium channel inhibitor activity; calcium oxalate binding; heme binding; peptidase inhibitor activity; protein homodimerization activity; serine-type endopeptidase inhibitor activity; transporter activity;

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