

Human Amelotin (AMTN) ELISA Kit | AMTN elisa kit

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CATALOG #
AAA246048

REACTIVITY
Human

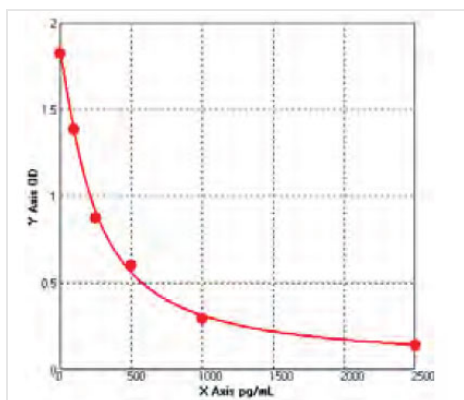
PRODUCT SYNONYMS

Amelotin (AMTN); Human Amelotin (AMTN) ELISA Kit; AMTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AMTN. No significant cross-reactivity or interference between AMTN and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AMTN and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AMTN elisa kit	Intended Uses: This AMTN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AMTN. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: AMTN ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AMTN antibody and an AMTN-HRP conjugate. The assay sample and buffer are incubated together with AMTN-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the AMTN concentration since AMTN from samples and AMTN-HRP conjugate compete for the anti-AMTN antibody binding site. Since the number of sites is limited, as more sites are occupied by AMTN from the sample, fewer sites are left to bind AMTN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AMTN concentration in each sample is interpolated from this standard curve.
Product Categories/Family for AMTN elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	47086439
NCBI GeneID	401138
NCBI Accession #	NP_997722.1
NCBI GenBank Nucleotide #	NM_212557.3
Molecular Weight	21,459 Da
NCBI Official Full Name	amelotin isoform 1
NCBI Official Synonym Full Names	amelotin
NCBI Official Symbol	AMTN
NCBI Official Synonym Symbols	UNQ689
NCBI Protein Information	amelotin; RSTI689
UniProt Protein Name	Amelotin
UniProt Gene Name	AMTN
UniProt Synonym Gene Names	UNQ689/PRO1329
UniProt Entry Name	AMTN_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.