

Human Serine-protein kinase ATM ELISA Kit | ATM elisa kit

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CATALOG #
AAA98931

REACTIVITY
Human

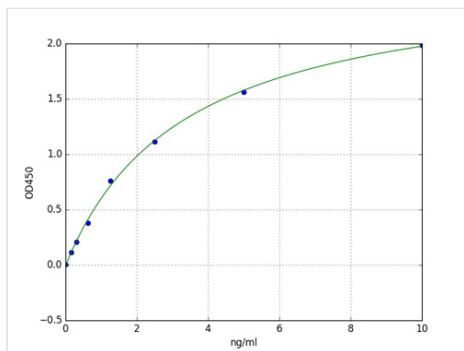
PRODUCT SYNONYMS

Serine-protein kinase ATM; Human Serine-protein kinase ATM ELISA Kit; ATM (Ataxia Telangiectasia Mutated)/TEL1/TELO1/TPLL/AT mutated/A-T mutated/AT1/ATA/ataxia telangiectasia mutated (includes complementation groups A; C and D)/ATD/ATC/ATDC/ATE/serine-protein kinase ATM/TEL1; telomere maintenance 1; homolog; ATM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	3056
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human ATM 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	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.038	0.182	0.315	0.578	0.964	1.444	1.887	2.133

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATM elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human ATM antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human ATM 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 Human ATM amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human ATM can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71902540
NCBI GeneID	472
NCBI Accession #	NP_000042.3
NCBI GenBank Nucleotide #	NM_000051.3
Molecular Weight	350,687 Da
NCBI Official Full Name	serine-protein kinase ATM
NCBI Official Synonym Full Names	ATM serine/threonine kinase
NCBI Official Symbol	ATM
NCBI Official Synonym Symbols	AT1; ATA; ATC; ATD; ATE; ATDC; TEL1; TELO1
NCBI Protein Information	serine-protein kinase ATM
UniProt Protein Name	Serine-protein kinase ATM
UniProt Gene Name	ATM
UniProt Synonym Gene Names	A-T mutated
UniProt Entry Name	ATM_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/human-elisa-kits/serine-protein-kinase-atm/98931>