

Chicken Ataxia Telangiectasia Mutated ELISA Kit | ATM elisa kit

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CATALOG # AAA91818	REACTIVITY Chicken
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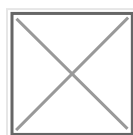
PRODUCT SYNONYMS

Ataxia Telangiectasia Mutated; Chicken Ataxia Telangiectasia Mutated ELISA Kit; ATM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ATM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken ATM. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATM elisa kit	Principle of the Assay: ATM ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ATM antibody and an ATM-HRP conjugate. The assay sample and buffer are incubated together with ATM-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 ATM concentration since ATM from samples and ATM-HRP conjugate compete for the anti-ATM antibody binding site. Since the number of sites is limited, as more sites are occupied by ATM from the sample, fewer sites are left to bind ATM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATM concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ATM elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	2304971
NCBI GeneID	472
Molecular Weight	350,687 Da

NCBI Official Full Name	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; AT mutated; A-T mutated; ataxia telangiectasia mutated; TEL1, telomere maintenance 1, homolog
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/atm-chicken-elisa-kits/ataxia-telangiectasia-mutated/91818>