

Bovine Ataxia Telangiectasia Mutated ELISA Kit | ATM elisa kit

Bovine Ataxia Telangiectasia Mutated ELISA Kit

CATALOG #
AAA90709

REACTIVITY
Bovine

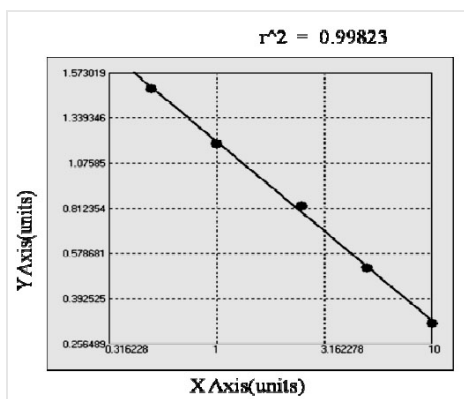
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
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 Bovine 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.

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-bovine-ovine-elisa-kits/ataxia-telangiectasia-mutated/90709>