

Sheep Metallothionein 1 ELISA Kit | MT-1 elisa kit

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CATALOG #
AAA93446

REACTIVITY
Sheep

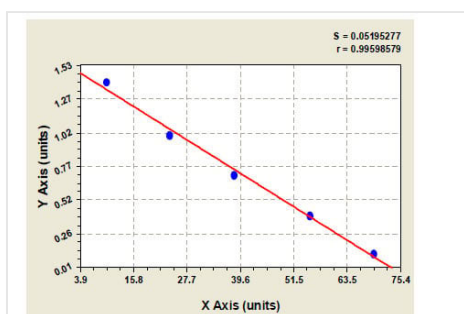
PRODUCT SYNONYMS

Metallothionein 1; Sheep Metallothionein 1 ELISA Kit; MT-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT-1 elisa kit

Intended Uses: This MT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep MT1. This ELISA kit for research use only!

Principle of the Assay||MT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MT1 antibody and an MT1-HRP conjugate. The assay sample and buffer are incubated together with MT1-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 MT1 concentration since MT1 from samples and MT1-HRP conjugate compete for the anti-MT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by MT1 from the sample, fewer sites are left to bind MT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MT1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MT-1 elisa kit

[Microbiology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	15602507
NCBI GeneID	1243989
NCBI Accession #	NP_245579.1
NCBI GenBank Nucleotide #	NC_002663.1
NCBI Official Full Name	hypothetical protein PM0642
NCBI Official Symbol	mlc
NCBI Protein Information	hypothetical protein

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://www.aaabiotech.com/mt-1-sheep-elisa-kits/metallothionein-1/93446>