

Cattle Reactive Oxygen Species Modulator 1 (ROMO1) ELISA Kit | ROMO1 elisa kit

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CATALOG #
AAA188333

REACTIVITY
Cattle

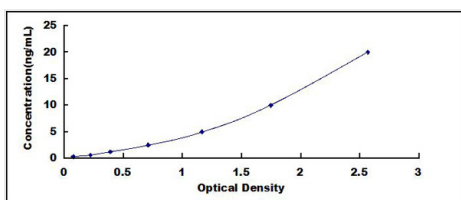
PRODUCT SYNONYMS

Reactive Oxygen Species Modulator 1 (ROMO1); Cattle Reactive Oxygen Species Modulator 1 (ROMO1) ELISA Kit; C20orf52; MTGMP; Glyrichin; Mitochondrial Targeting GXXXG Protein; Epididymis tissue protein Li 175; Protein MGR2 homolog; ROMO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Cattle
Specificity	This assay has high sensitivity and excellent specificity for detection of Reactive Oxygen Species Modulator 1 (ROMO1). No significant cross-reactivity or interference between Reactive Oxygen Species Modulator 1 (ROMO1) and analogues was observed.
Sequence Length	79
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.119ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Reactive Oxygen Species Modulator 1 (ROMO1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Reactive Oxygen Species Modulator 1 (ROMO1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ROMO1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Reactive Oxygen Species Modulator 1 (ROMO1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Reactive Oxygen Species Modulator 1 (ROMO1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Reactive Oxygen Species Modulator 1 (ROMO1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Reactive Oxygen Species Modulator 1 (ROMO1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18152785
NCBI GenBank Nucleotide #	NP_542786.1
UniProt Accession #	P60602
NCBI Official Full Name	reactive oxygen species modulator 1
UniProt Protein Name	Reactive oxygen species modulator 1
UniProt Gene Name	ROMO1
UniProt Synonym Gene Names	C20orf52; ROS modulator 1; MTGM
UniProt Entry Name	ROMO1_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/cat-cattle-elisa-kits/reactive-oxygen-species-modulator-1-romo1/188333>