

Human Reactive oxygen species modulator 1 ELISA Kit | ROMO1 elisa kit

Human Reactive oxygen species modulator 1 ELISA Kit

CATALOG #
AAA101209

REACTIVITY
Human

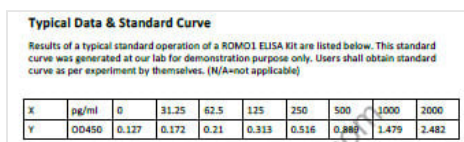
PRODUCT SYNONYMS

Reactive oxygen species modulator 1; Human Reactive oxygen species modulator 1 ELISA Kit; ROMO1/Reactive oxygen species modulator 1/ROS modulator 1/Protein MGR2 homolog/Mitochondrial targeting GxxxG motif protein/MTGM/Protein MGR2 homolog/Glyrichin; ROMO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ROMO1 . No significant cross-reactivity or interference between ROMO1 and analogues was observed.
Sequence Length	79
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ROMO1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ROMO1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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)

ADDITIONAL INFORMATION

Related Product Information for ROMO1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ROMO1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- ROMO1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin 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 ROMO1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ROMO1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18152785
NCBI GeneID	140823
NCBI Accession #	NP_542786.1
NCBI GenBank Nucleotide #	NM_080748.2
Molecular Weight	5,900 Da
NCBI Official Full Name	reactive oxygen species modulator 1
NCBI Official Synonym Full Names	reactive oxygen species modulator 1
NCBI Official Symbol	ROMO1
NCBI Official Synonym Symbols	MTGM; MTGMP; C20orf52; bA353C18.2
NCBI Protein Information	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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/romo1-human-elisa-kits/reactive-oxygen-species-modulator-1/101209>