

Mouse ANT XR2 ELISA Kit | ANT XR2 elisa kit

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CATALOG # AAA125842	REACTIVITY Mouse
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PRODUCT SYNONYMS

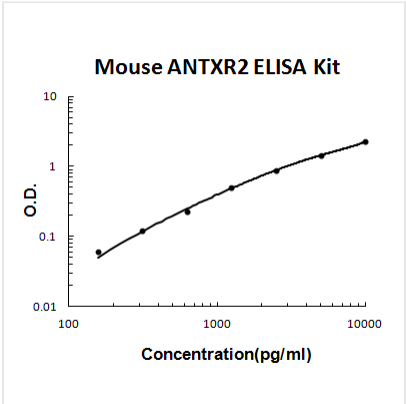
ANT XR2; Mouse ANT XR2 ELISA Kit; Anthrax toxin receptor 2; Antxr2; anthrax toxin receptor 2; ANT XR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse ANT XR2
Samples	cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	<50pg/ml
Capture/Detection Antibodies	Capture antibody- a monoclonal antibody from rat Detection antibody- a biotinylated monoclonal antibody from goat
Sample Data	Concentration(pg/ml) 0 156 312 625 1250 2500 5000 10000 O.D. 0.015 0.076 0.134 0.239 0.509 0.904 1.457 2.265
Intra-Assay Precision	Sample 1 2 3 n 16 16 16 Mean(pg/ml) 242 1644 5631 Standard deviation 14.52 118.36 360.38 CV(%) 6% 7.2% 6.4%
Inter-Assay Precision	Sample 1 2 3 n 24 24 24 Mean(pg/ml) 217 1771 5410 Standard deviation 14.53 146.99 394.93 CV(%) 6.7% 8.3% 7.3%
Reproducibility	To assay reproducibility, three samples with differing target protein concentrations were assayed using four different lots. Lots: Lot 1 (pg/ml) Lot 2 (pg/ml) Lot 3 (pg/ml) Lot 4 (pg/ml) Mean (pg/ml) Standard Deviation CV (%) Sample 1: 242 247 246 242 244 2.27 0.9% Sample 2: 1644 1884 1788 1601 1729 113.04 6.5% Sample 3: 5631 5520 5145 4973 5317 268.19 5% *number of samples for each test n=16.
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen	Expression system for standard: NS0; Immunogen sequence: Q32-G318
Anticoagulant	heparin, EDTA or citrate
Principle	Mouse ANT XR2 ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for ANT XR2 has been precoated onto 96-well plates. Standards(Expression system for standard: NS0, Immunogen sequence: Q32-G318) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for ANT XR2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex is added and unbound conjugates are washed away with PBS or TBS buffer. HRP substrate TMB are used to visualize HRP enzymatic reaction. TMB is 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 mouse ANT XR2 amount of sample captured in plate.

Assay Procedure Step 1	Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml mouse ANT XR2 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernatants, serum or plasma (heparin, EDTA, citrate) to each empty well. See "Sample Dilution Guideline" for details. It is recommended that each mouse ANT XR2 standard solution and each sample be measured in duplicate.
TMB Incubation Time	15-20
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)
 Mouse ANT XR2 ELISA Kit Standard Curve

ADDITIONAL INFORMATION

Related Product Information for ANT XR2 elisa kit	Anthrax toxin receptor 2 is a protein that in humans is encoded by the ANT XR2 gene. It is mapped to 5; 5 E3. This gene encodes a receptor for anthrax toxin. The protein binds to collagen IV and laminin, suggesting that it may be involved in extracellular matrix adhesion. Mutations in this gene cause juvenile hyaline fibromatosis and infantile systemic hyalinosis. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for ANT XR2 elisa kit	ELISA kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	50355939
NCBI GeneID	71914
NCBI Accession #	NP_598499.1
NCBI GenBank Nucleotide #	NM_133738.1
UniProt Accession #	Q6DFX2; Q99L17
Molecular Weight	53,184 Da
NCBI Official Full Name	anthrax toxin receptor 2
NCBI Official Synonym Full Names	anthrax toxin receptor 2
NCBI Official Symbol	Antxr2
NCBI Official Synonym Symbols	CMG2; CMG-2; CI-35; AW561899; 2310046B19Rik
NCBI Protein Information	anthrax toxin receptor 2
UniProt Protein Name	Anthrax toxin receptor 2

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/mouse-elisa-kits/antxr2/125842>