

Mouse Cationic Amino Acid Transporter 1 (CAT1) RTU ELISA Kit | CAT1 rtu elisa kit

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CATALOG #
AAA69559

REACTIVITY
Mouse

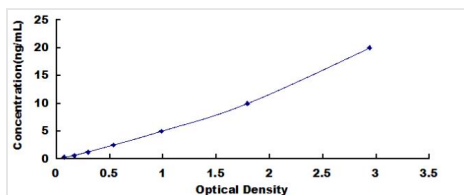
PRODUCT SYNONYMS

Cationic Amino Acid Transporter 1 (CAT1); Mouse Cationic Amino Acid Transporter 1 (CAT1) ELISA Kit; SLC7A1; HCAT1; ATRC1; ERR; Solute Carrier Family 7 Member 1; Cationic Amino Acid Transporter; γ^+ ; Ecotropic Retroviral Receptor; High Affinity Cationic Amino Acid Transporter 1; CAT1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	622
Assay Type	Sandwich
Samples	Tissue Homogenates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.113ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAT1 rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CAT1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CAT1. 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 CAT1, 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 $450\text{nm} \pm 10\text{nm}$. The concentration of CAT1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	673921617
NCBI GeneID	11987
NCBI Accession #	NP_001288353.1
NCBI GenBank Nucleotide #	NM_001301424.1
UniProt Accession #	Q09143; P30824
Molecular Weight	67,092 Da
NCBI Official Full Name	high affinity cationic amino acid transporter 1
NCBI Official Synonym Full Names	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1
NCBI Official Symbol	Slc7a1
NCBI Official Synonym Symbols	Cat1; Atrc1; Rec-1; Rev-1; Atrc-1; mCAT-1; AI447493; 4831426K01Rik
NCBI Protein Information	high affinity cationic amino acid transporter 1
UniProt Protein Name	High affinity cationic amino acid transporter 1
UniProt Gene Name	Slc7a1
UniProt Synonym Gene Names	ERR

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-rtu-elisa-kits/cationic-amino-acid-transporter-1-cat1/69559>