

Mouse Carbonic anhydrase 13 ELISA Kit | CA13 elisa kit

Mouse Carbonic anhydrase 13 (CA13) ELISA Kit

CATALOG # AAA55596	REACTIVITY Mouse
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PRODUCT SYNONYMS

Carbonic anhydrase 13; Mouse Carbonic anhydrase 13 (CA13) ELISA Kit; CA13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse CA13. No significant cross-reactivity or interference between Mouse CA13 and analogues was observed.
Sequence Length	262
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	31.25 pg/mL - 2000 pg/mL
Sensitivity	20.8 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for CA13 elisa kit	Intended Uses: For the quantitative detection of Mouse Carbonic anhydrase 13 (CA13) concentration in serum, plasma and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate CA13 in Mouse serum, plasma. An antibody specific for CA13 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CA13 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CA13 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CA13 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13374567
NCBI GeneID	71934
NCBI Accession #	NP_078771.1
NCBI GenBank Nucleotide #	NM_024495.5
UniProt Accession #	Q9D6N1 ; Q3UBM2

Molecular Weight	29,522 Da
NCBI Official Full Name	carbonic anhydrase 13
NCBI Official Synonym Full Names	carbonic anhydrase 13
NCBI Official Symbol	Car13
NCBI Official Synonym Symbols	Ca13; 2310075C21Rik
NCBI Protein Information	carbonic anhydrase 13
UniProt Protein Name	Carbonic anhydrase 13
UniProt Gene Name	Ca13
UniProt Synonym Gene Names	Car13; CA-XIII

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://www.aaabiotech.com/ca13-mouse-elisa-kits/carbonic-anhydrase-13/55596>