

Mouse carbonic anhydrase III, muscle specific ELISA Kit | CA3 elisa kit

Mouse Carbonic anhydrase 3, CA3 ELISA Kit

CATALOG # AAA112733	REACTIVITY Mouse
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PRODUCT SYNONYMS

carbonic anhydrase III; muscle specific; Mouse Carbonic anhydrase 3; CA3 ELISA Kit; Mouse Carbonic anhydrase 3 (CA3) ELISA kit; CAIII; Car3; CA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse CA3. No significant cross-reactivity or interference between mouse CA3 and analogues was observed.
Sequence Length	260
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	4.69 ng/ml-300 ng/ml
Sensitivity	< 1.17 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

ADDITIONAL INFORMATION

Related Product Information for CA3 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CA3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CA3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CA3 is added to the wells. After washing, avidin 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 CA3 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 #	31982861
NCBI GeneID	12350
NCBI Accession #	NP_031632.2
NCBI GenBank Nucleotide #	NM_007606.3
UniProt Accession #	P16015; Q9ERN8
Molecular Weight	29,366 Da

NCBI Official Full Name	carbonic anhydrase 3
NCBI Official Synonym Full Names	carbonic anhydrase 3
NCBI Official Symbol	Car3
NCBI Official Synonym Symbols	Ca3; Car-3; BB219044
NCBI Protein Information	carbonic anhydrase 3; CA-III; carbonic anhydrase III; carbonate dehydratase III
UniProt Protein Name	Carbonic anhydrase 3
UniProt Gene Name	Ca3
UniProt Synonym Gene Names	Car3; CA-III
UniProt Entry Name	CAH3_MOUSE

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/ca3-mouse-elisa-kits/carbonic-anhydrase-iii-muscle-specific/112733>