

Human CA3 (Carbonic Anhydrase III, Muscle Specific) ELISA Kit | CA3 elisa kit

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CATALOG #
AAA278393

REACTIVITY
Human

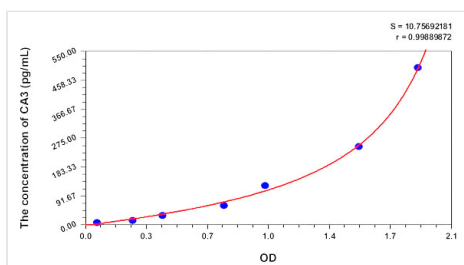
PRODUCT SYNONYMS

CA3 (Carbonic Anhydrase III; Muscle Specific); Human CA3 (Carbonic Anhydrase III; Muscle Specific) ELISA Kit; CA-III; CAIII; Car3; Carbonate dehydratase III; CA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.16-10ng/mL
Sensitivity	0.051ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA3 elisa kit

Test Principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human CA3. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human CA3. 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 Human CA3, 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 450nm +/- 10nm. The concentration of Human CA3 in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for CA3 elisa kit

[Enzyme & Kinase](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885099
NCBI GeneID	761

NCBI Accession #	NP_005172.1
NCBI GenBank Nucleotide #	NM_005181.3
UniProt Accession #	P07451; O60842; B2R867; B3KUC8
Molecular Weight	29,557 Da
NCBI Official Full Name	carbonic anhydrase 3
NCBI Official Synonym Full Names	carbonic anhydrase III, muscle specific
NCBI Official Symbol	CA3
NCBI Official Synonym Symbols	Car3; CAIII
NCBI Protein Information	carbonic anhydrase 3; CA-III; carbonate dehydratase III
UniProt Protein Name	Carbonic anhydrase 3
UniProt Gene Name	CA3
UniProt Synonym Gene Names	CA-III
UniProt Entry Name	CAH3_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ca3-carbonic-anhydrase-iii-muscle-specific/278393>