

Human Carbonic Anhydrase 9 (CA9) ELISA Kit | CA9 elisa kit

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CATALOG #
AAA246112

REACTIVITY
Human

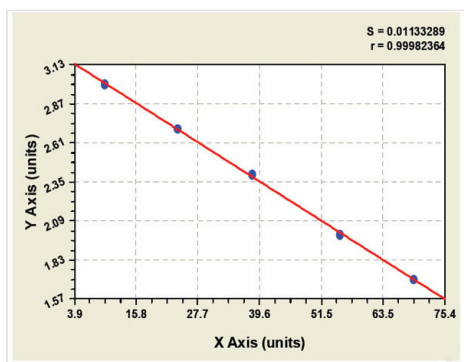
PRODUCT SYNONYMS

Carbonic Anhydrase 9 (CA9); Human Carbonic Anhydrase 9 (CA9) ELISA Kit; CA9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This CA9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CA9. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA9 elisa kit

Principle of the assay: CA9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CA9 antibody and an CA9-HRP conjugate. The assay sample and buffer are incubated together with CA9-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CA9 concentration since CA9 from samples and CA9-HRP conjugate compete for the anti-CA9 antibody binding site. Since the number of sites is limited, as more sites are occupied by CA9 from the sample, fewer sites are left to bind CA9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CA9 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CA9 elisa kit	Cardiovascular
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NCBI AND UNIPROT INFORMATION

NCBI GI #	169636420
NCBI GeneID	768
NCBI Accession #	NP_001207.2
NCBI GenBank Nucleotide #	NM_001216.2
Molecular Weight	49,698 Da
NCBI Official Full Name	carbonic anhydrase 9
NCBI Official Synonym Full Names	carbonic anhydrase IX
NCBI Official Symbol	CA9
NCBI Official Synonym Symbols	MN; CAIX
NCBI Protein Information	carbonic anhydrase 9; pMW1; CA-IX; P54/58N; membrane antigen MN; carbonic dehydratase; carbonate dehydratase IX; RCC-associated antigen G250; RCC-associated protein G250; renal cell carcinoma-associated antigen G250
UniProt Protein Name	Carbonic anhydrase 9
UniProt Gene Name	CA9
UniProt Synonym Gene Names	G250; MN; CA-IX; CAIX; RCC-associated antigen G250
UniProt Entry Name	CAH9_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/carbonic-anhydrase-9-ca9/246112>