

Rat carbonic anhydrase 12 (CA-12) ELISA Kit | CA12 elisa kit

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CATALOG #
AAA245736

REACTIVITY
Rat

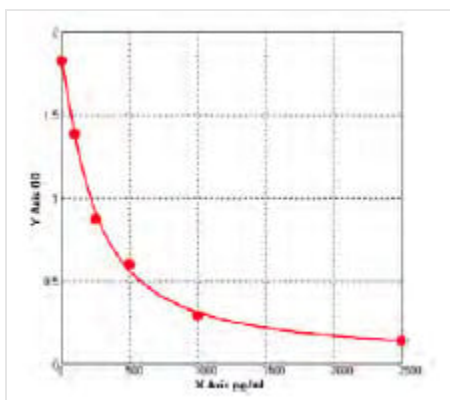
PRODUCT SYNONYMS

carbonic anhydrase 12 (CA-12); Rat carbonic anhydrase 12 (CA-12) ELISA Kit; CA12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Sandwich
Sensitivity	0.1 IU/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA12 elisa kit

Intended Uses: This CA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CA1. This ELISA kit for research use only!

Principle of the Assay: CA1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CA1. Standards or samples are then added to the microtiter plate wells and CA1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CA1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CA1 are added to each well to "sandwich" the CA1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CA1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CA1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CA12
elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	654824169
NCBI GeneID	771
NCBI Accession #	NP_001280571.1
NCBI GenBank Nucleotide #	NM_001293642.1
Molecular Weight	38,408 Da
NCBI Official Full Name	carbonic anhydrase 12 isoform 3
NCBI Official Synonym Full Names	carbonic anhydrase XII
NCBI Official Symbol	CA12
NCBI Official Synonym Symbols	CAXII; HsT18816
NCBI Protein Information	carbonic anhydrase 12; CA-XII; carbonic dehydratase; carbonate dehydratase XII; tumor antigen HOM-RCC-3.1.3
UniProt Protein Name	Carbonic anhydrase 12
UniProt Gene Name	CA12
UniProt Synonym Gene Names	CA-XII
UniProt Entry Name	CAH12_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/ca12-rat-elisa-kits/carbonic-anhydrase-12-ca-12/245736>