

Rat Ca4 (Carbonic Anhydrase 4) ELISA Kit | Ca4 elisa kit

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CATALOG #
AAA250230

REACTIVITY
Rat

PRODUCT SYNONYMS

Ca4 (Carbonic Anhydrase 4); Rat Ca4 (Carbonic Anhydrase 4) ELISA Kit; Carbonic anhydrase 4; Carbonate dehydratase IV; Carbonic anhydrase IV; CA-IV; Ca4; Ca4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Ca4. No significant cross-reactivity or interference between Ca4 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for Ca4 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9506449
NCBI GeneID	29242
NCBI Accession #	NP_062047.1
NCBI GenBank Nucleotide #	NM_019174.3
UniProt Accession #	P48284; Q4QR97
Molecular Weight	35,076 Da
NCBI Official Full Name	carbonic anhydrase 4

NCBI Official Synonym Full Names	carbonic anhydrase 4
NCBI Official Symbol	Car4
NCBI Official Synonym Symbols	Ca4
NCBI Protein Information	carbonic anhydrase 4
UniProt Protein Name	Carbonic anhydrase 4
UniProt Gene Name	Ca4
UniProt Synonym Gene Names	CA-IV

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/rat-elisa-kits/ca4-carbonic-anhydrase-4/250230>