

Human Ca3 (Carbonic anhydrase 3) ELISA Kit | Ca3 elisa kit

Mouse Ca3 (Carbonic anhydrase 3) ELISA Kit

CATALOG #
AAA249799

REACTIVITY
Human

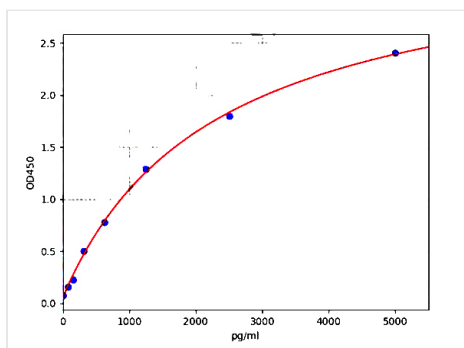
PRODUCT SYNONYMS

Ca3 (Carbonic anhydrase 3); Mouse Ca3 (Carbonic anhydrase 3) ELISA Kit; Carbonic anhydrase 3; Carbonate dehydratase III; Carbonic anhydrase III; CA-III; Ca3; Car3; Ca3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Ca3. No significant cross-reactivity or interference between Ca3 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ca3 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 #	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
UniProt Protein Name	Carbonic anhydrase 3
UniProt Gene Name	Ca3
UniProt Synonym Gene Names	Car3; CA-III

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.