

Mouse Carbonic Anhydrase VIII/CA8 ELISA Kit | CA8 elisa kit

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CATALOG #
AAA258489

REACTIVITY
Mouse

PRODUCT SYNONYMS

Carbonic Anhydrase VIII/CA8; Mouse Carbonic Anhydrase VIII/CA8 ELISA Kit; Carbonic Anhydrase 8/CA8 ELISA Kit; Mouse; carbonic anhydrase VIII; AW546993 ELISA Kit; Ca8 ELISA Kit; Cals ELISA Kit; Cals1 ELISA Kit; Car8 ELISA Kit; Carp ELISA Kit; RP23-180H12.1 ELISA Kit; wdl ELISA Kit; CA8 elisa kit

PRODUCT SPECIFICATIONS

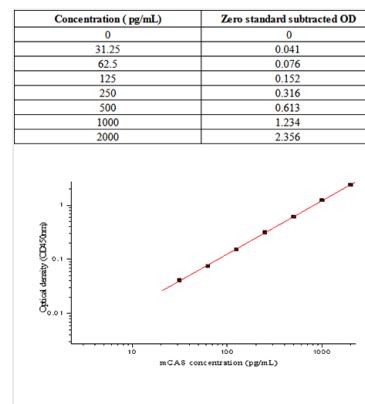
Reactivity	Mouse
Specificity	The kit has been verified by high purity Mouse Carbonic Anhydrase VIII/CA8 recombinant protein.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Recombinant protein
Detection Range	31.25-2000pg/mL
Sensitivity	13.91pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant mouse			
CA2	CA4	CA9	CA10
CA12	CA14		

Application Data

This assay recognizes recombinant Mouse CA8. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed. Cross-reactivity was observed to be 7% with 50ng/mL of recombinant human CA8.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for CA8 elisa kit	This Carbonic Anhydrase 8/CA8 ELISA Kit, Mouse is an enzyme-linked immunosorbent assay for the quantitative measurement of Mouse Carbonic Anhydrase 8/CA8 protein in Recombinant protein. It contains recombinant Mouse Carbonic Anhydrase 8/CA8, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: The carbonic anhydrases (or carbonate dehydratases) are classified as metalloenzyme for its zinc ion prosthetic group and form a family of enzymes that catalyze the rapid interconversion of carbon dioxide and water to bicarbonate and protons, a reversible reaction that takes part in maintaining acid-base balance in blood and other tissues. The carbonic anhydrasekl (CA) family consists of at least 11 enzymatically active members and a few inactive homologous proteins. Carbonic anhydrase protein (CA) VIII, which is a member of the CA gene family, has been shown to have no catalytic CA activity and its biological function is still unknown. Increased expression of CA-RP VIII was observed in 78% of colorectal carcinomas. It suggested that CA-RP VIII plays a role in the process of invasion in colorectal cancer.
References	Lehtonen J, et al. (2004) Characterization of CA XIII, a Novel Member of the Carbonic Anhydrase Isozyme Family. The Journal of Biological Chemistry. 279: 2719-27. Lindskog S. (1997) Structure and mechanism of carbonic anhydrase. Pharmacology & Therapeutics. 74(1)?1-20. Miyaji E, et al. (2003) Overexpression of carbonic anhydrase-related protein VIII in human colorectal cancer. The Journal of Pathology. 201(1): 37-45.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/carbonic-anhydrase-viii-ca8/258489>