

Datasheet for ABIN5510742

**CA9 ELISA Kit****1** Image[Go to Product page](#)

## Overview

Quantity:	96 tests
Target:	CA9
Binding Specificity:	AA 32-390
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

## Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse CA9
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO, Immunogen sequence: Q32-D390
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

## Target Details

Target:	CA9
Alternative Name:	Ca9 ( <a href="#">CA9 Products</a> )
Background:	Protein Function: Reversible hydration of carbon dioxide. Participates in pH regulation (By similarity). .

## Target Details

Background: Carbonic anhydrase 9 (CA9/CAIX) is an enzyme that in humans is encoded by the CA9 gene. Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. This gene is mapped to 9p13.3. CA IX is a transmembrane protein and the only tumor-associated carbonic anhydrase isoenzyme known. It is expressed in all clear-cell renal cell carcinoma, but is not detected in normal kidney or most other normal tissues. It may be involved in cell proliferation and transformation.

Synonyms: Carbonic anhydrase 9,4.2.1.1,Carbonate dehydratase IX,Carbonic anhydrase IX,CA-IX,CAIX,Membrane antigen MN homolog,Ca9,Car9,

Full Gene Name: Carbonic anhydrase 9

Cellular Localisation: Cell membrane, Single-pass type I membrane protein . Cell projection, microvillus membrane, Single-pass type I membrane protein.

UniProt: [Q8VHB5](#)

## Application Details

Plate: Pre-coated

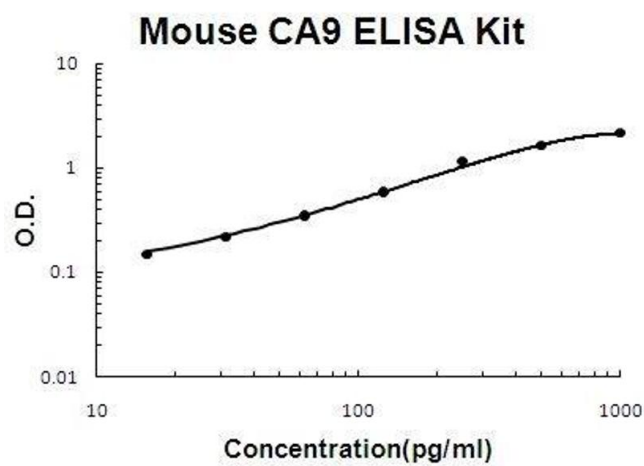
Restrictions: For Research Use only

## Handling

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months



**ELISA**

**Image 1.** Mouse CA9 PicoKine ELISA Kit standard curve