

## Mouse CA9 ELISA Kit

Catalog No: #EK5761

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## Description

Product Name	Mouse CA9 ELISA Kit
Specificity	Mouse
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,Q32-D390
Other Names	Carbonic anhydrase 9; 4.2.1.1; Carbonate dehydratase IX; Carbonic anhydrase IX; CA-IX; CAIX; Membrane antigen MN homolog; Ca9; Car9;
Accession No.	Q8VHB5
Uniprot	Q8VHB5
GeneID	230099;
Cell Localization	Cell membrane; Single-pass type I membrane protein. Cell projection, microvillus membrane; Single-pass type I membraneprotein.

## Application Details

sensitivity:10pg mlDetect Range:15.6pg ml-1000pg mlsample\_type:cell culture supernates serum plasma (heparin EDTA citrate) and urine.capture\_antibody:monoclonal antibody from ratdetection\_antibody:polyclonal antibody from goatgene\_name:Ca9protein\_name:Carbonic anhydrase 9gene\_full\_name:Carbonic anhydrase 9tissue\_specificity:sequence\_similarities:tmb\_incubation:25-30minresearch\_category:

## Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse CA9

## Background

protein\_function: Reversible hydration of carbon dioxide. Participates in pH regulation (By similarity)..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.

Note: This product is for in vitro research use only