

Datasheet for ABIN7092970  
**anti-CA9 antibody (AA 38-414)**



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1 Image

## Overview

Quantity:	100 µg
Target:	CA9
Binding Specificity:	AA 38-414
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CA9 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

## Product Details

Immunogen:	Recombinant human CA9(Gln38-Asp414) (ABIN6964087) produced by using human HEK293 cells
Clone:	DM171
Isotype:	IgG
Purification:	Powder

## Target Details

Target:	CA9
Alternative Name:	CA9 ( <a href="#">CA9 Products</a> )
Background:	Synonyms:CAIX, MN

## Target Details

Description: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. They show extensive diversity in tissue distribution and in their subcellular localization. CA IX is a transmembrane protein and is one of only two tumor-associated carbonic anhydrase isoenzymes 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. This gene was mapped to 17q21.2 by fluorescence in situ hybridization, however, radiation hybrid mapping localized it to 9p13-p12.

Molecular Weight: 49.7KDa

## Application Details

Application Notes: ELISA 1/5000-10000,Flow Cyt 1/100

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.,0.1 % Procline 300

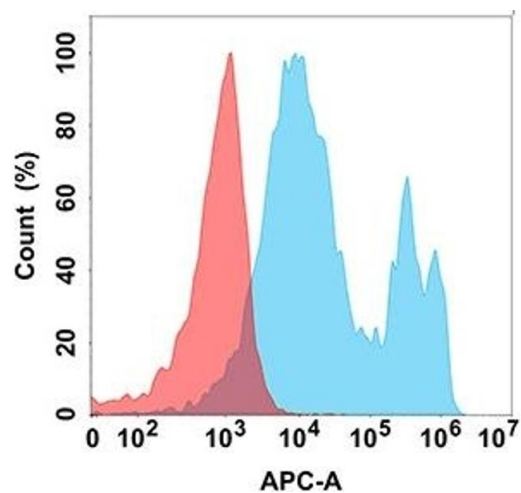
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



### Flow Cytometry

**Image 1.** Flow cytometry analysis with Anti-CA9 (DM171) on Expi293 cells transfected with human CA9 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).