

CA9 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2582
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CA9 expressed in E. Coli.
Mol wt	50kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	MN;CAIX;CA9

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. Reversible hydration of carbon dioxide. Participates in pH regulation. May be involved in the control of cell proliferation and transformation. Appears to be a novel specific biomarker for a cervical neoplasia. Tissue specificity: Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa.

Recommended Dilution

WB: 1:500 - 1:2000

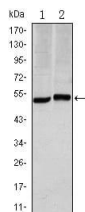
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

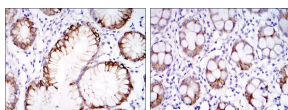
ELISA: 1:10000

Not yet tested in other applications.

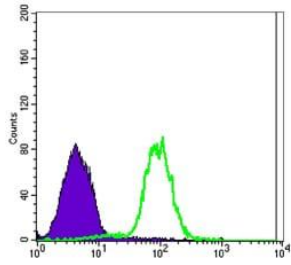
Images



Western blot analysis using CA9 mouse mAb against HeLa (1) and A549 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded stomach tissues (left) and colon tissues (right) using CA9 mouse mAb with DAB staining.



Flow cytometric analysis of NTERA-2 cells using CA9 mouse mAb (green) and negative control (purple).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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