

Product Information

Recombinant Anti-Human ca9 Antibody Fab Fragment

Cat. No.: **MOM-18530-F(P)**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment binds selectively to Human CA9, expressed in E. coli

Antigen Description

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.

Specific Activity

Tested positive against native antigen.

Target

CA9

Immunogen

Purified recombinant fragment of human Carbonic Anhydrase IX.

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

E. coli

Purity

Purity >95% by SDS-PAGE.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[CA9 carbonic anhydrase IX \[Homo sapiens \]](#)

Official Symbol

CA9

Synonyms

CA9; carbonic anhydrase IX; carbonic anhydrase 9; CAIX; carbonic dehydratase; MN; RCC associated protein G250; pMW1; CA-IX; P54/58N; membrane antigen MN; carbonate dehydratase IX; RCC-associated antigen G250; RCC-associated protein G250; renal cell carcinoma-associated antigen G250;

Gene ID

[768](#)

mRNA Refseq

[NM_001216](#)

Protein Refseq

[NP_001207](#)

MIM

[603179](#)

UniProt ID

Q16790

Chromosome Location

9p12

Pathway

HIF-1-alpha transcription factor network, organism-specific biosystem;

Function

carbonate dehydratase activity; lyase activity; metal ion binding; zinc ion binding;