

## S100A9 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA3815
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human S100A9 (AA: 1-114) expressed in E. Coli.
<b>Mol wt</b>	13.2kDa
<b>Species reactivity</b>	Others
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	IHC,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	MIF;NIF;P14;CAGB;CFAG;CGLB;LIAG;LIAG;MRP14;60B8AG;MAC387

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

### Background

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in the inhibition of casein kinase and altered expression of this protein is associated with the disease cystic fibrosis. This antimicrobial protein exhibits antifungal and antibacterial activity.

### Recommended Dilution

WB: 1:500 - 1:2000

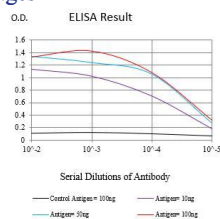
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

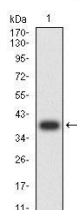
ELISA: 1:10000

Not yet tested in other applications.

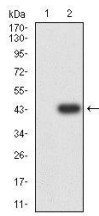
### Images



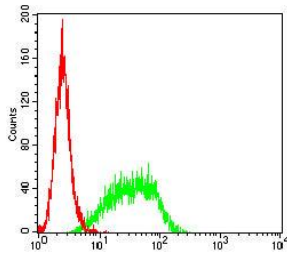
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



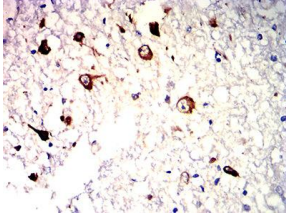
Western blot analysis using S100A9 mAb against human S100A9 (AA: 1-114) recombinant protein. (Expected MW is 38.7 kDa)



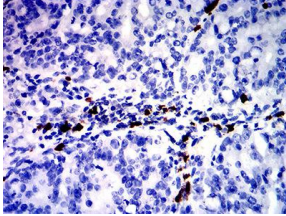
Western blot analysis using S100A9 mAb against HEK293-6e (1) and S100A9 (AA: 1-114)-hlgGfc transfected HEK293-6e (2) cell lysate.



Flow cytometric analysis of THP-1 cells using S100A9 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human brain tissues using S100A9 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using S100A9 mouse mAb with DAB staining.

### Storage

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

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