**Product Name: S100A9 Mouse Monoclonal Antibody**
**Catalog #: AMM82733**
For research use only.

## Summary

| | |
|---|---|
| **Description** | Mouse monoclonal Antibody |
| **Host** | Mouse |
| **Application** | IHC,ELISA,FC |
| **Reactivity** | Human |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | Mouse IgG1 |
| **Clonality** | Monoclonal |
| **Form** | Liquid |
| **Concentration** | 1mg/ml |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | Purified antibody in PBS with 0.05% sodium azide |
| **Purification** | Affinity Purification |

## Application

| | |
|---|---|
| **Dilution Ratio** | IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| **Molecular Weight** | 13.2kDa |

## Antigen Information

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|---|---|
| **Gene Name** | S100A9 |
| **Alternative Names** | MIF; NIF; P14; CAGB; CFAG; CGLB; L1AG; LIAG; MRP14; 60B8AG; MAC387 |
| **Gene ID** | 6280.0 |
| **SwissProt ID** | P06702 |
| **Immunogen** | Purified recombinant fragment of human S100A9 (AA: 1-114) expressed in E. Coli. |

## Background

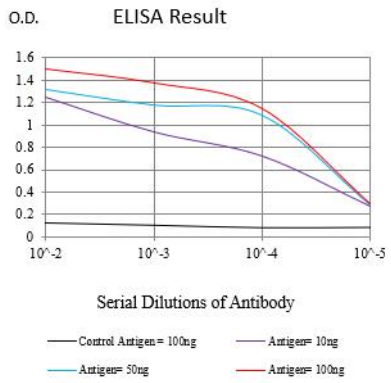
The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression 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.

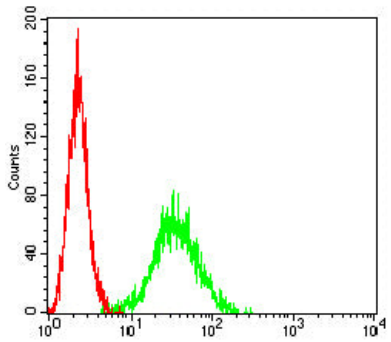
## Research Area

Autophagy,Apoptosis

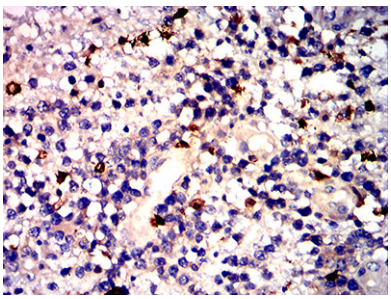
## Image Data



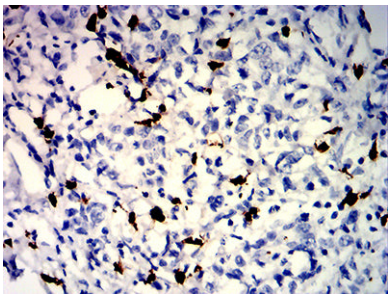

Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)




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



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



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