**Product Name:** **ALCAM Mouse Monoclonal Antibody**
**Catalog #:** **AMM81230**
For research use only.

## Summary

| | |
|---|---|
| **Description** | Mouse monoclonal Antibody |
| **Host** | Mouse |
| **Application** | IHC,ICC,ELISA,FC |
| **Reactivity** | Human |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | Mouse IgG2a |
| **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,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| **Molecular Weight** | 65.1kDa |

## Antigen Information

| | |
|---|---|
| **Gene Name** | ALCAM |
| **Alternative Names** | MEMD; CD166; FLJ38514; MGC71733 |
| **Gene ID** | 214.0 |
| **SwissProt ID** | Q13740 |
| **Immunogen** | Purified recombinant fragment of human ALCAM (AA: 48-216) expressed in E. Coli. |

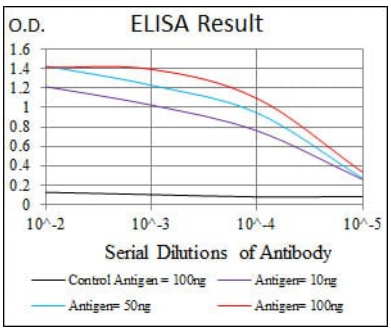
## Background

This gene encodes activated leukocyte cell adhesion molecule (ALCAM), also known as CD166 (cluster of differentiation 166), which is a member of a subfamily of immunoglobulin receptors with five immunoglobulin-like domains (VVC2C2C2) in the extracellular domain. This protein binds to T-cell differentiation antigene CD6, and is implicated in the processes of cell

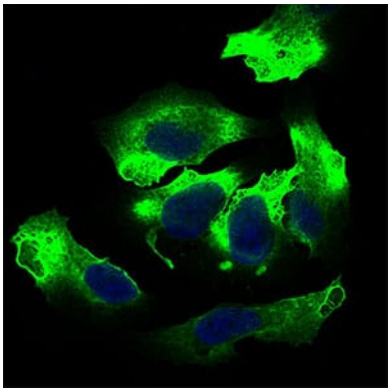
adhesion and migration. Multiple alternatively spliced transcript variants encoding different isoforms have been found.

## Research Area

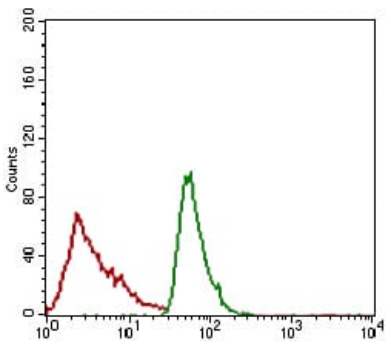
## Image Data



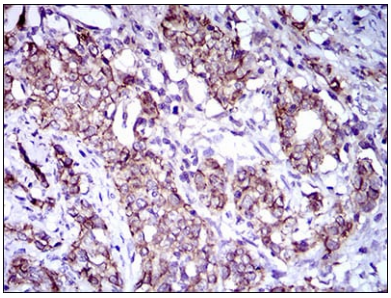

Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



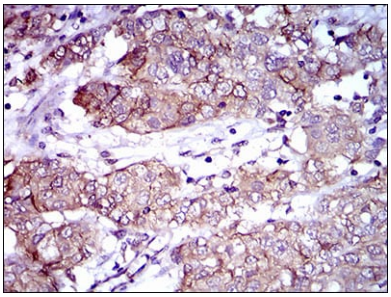
Immunofluorescence analysis of Hela cells using ALCAM mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.




Flow cytometric analysis of JURKAT cells using ALCAM mouse mAb (green) and negative control (red).



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



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