**Product Name:** VIMP Mouse Monoclonal Antibody
**Catalog #:** AMM81718
For research use only.

## Summary

| | |
|---|---|
| **Description** | Mouse monoclonal Antibody |
| **Host** | Mouse |
| **Application** | ICC,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** | ICC 1:50-1:250,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| **Molecular Weight** | 21.2kDa |

## Antigen Information

| | |
|---|---|
| **Gene Name** | VIMP |
| **Alternative Names** | SELS; ADO15; SBBI8; SEPS1; AD-015 |
| **Gene ID** | 55829.0 |
| **SwissProt ID** | Q9BQE4 |
| **Immunogen** | Purified recombinant fragment of human VIMP (AA: 1-187) expressed in E. Coli. |

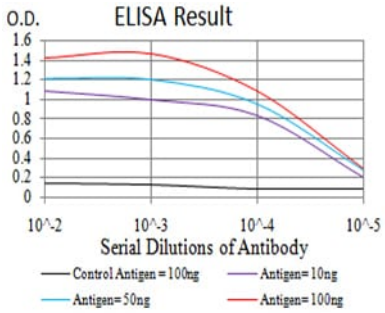
## Background

This gene encodes a member of the selenoprotein family, characterized by a selenocysteine (Sec) residue at the active site. The selenocysteine is encoded by the UGA codon that normally signals translation termination. The 3' UTR of selenoprotein genes have a common stem-loop structure, the sec insertion sequence (SECIS), that is necessary for the recognition of UGA as a Sec

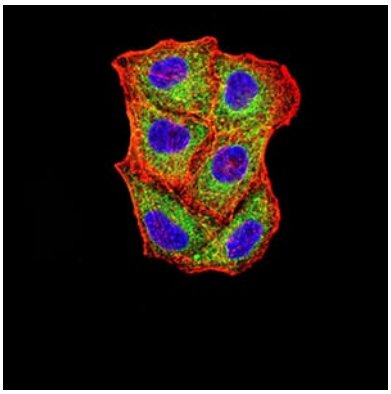
codon rather than as a stop signal. Studies suggest that this protein may regulate cytokine production, and thus play a key role in the control of the inflammatory response. Alternative splicing results in multiple transcript variants encoding different isoforms.

## Research Area

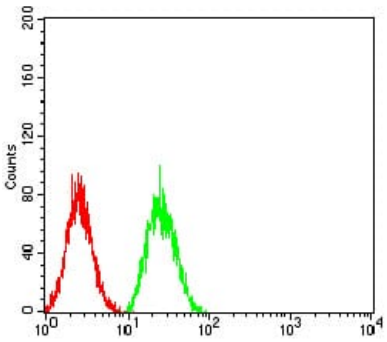
## Image Data




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 VIMP mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.




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