

Mouse Monoclonal Antibody to VIMP

Purified Mouse Monoclonal Antibody

Catalog # AO2395a

Product Information

Application	WB, FC, ICC, E
Primary Accession	Q9BQE4
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	5G4A10
Isotype	Mouse IgG1
Calculated MW	21163
Description	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.;
Immunogen	Purified recombinant fragment of human VIMP (AA: 1-187) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide
Application Note	ELISA: 1/10000; WB: 1/500 - 1/2000; ICC: 1/50 - 1/250; FCM: 1/200 - 1/400

Additional Information

Gene ID	55829
Other Names	SELS; ADO15; SBB18; SEPS1; AD-015
Dilution	WB~~1:1000 FC~~1:10~50 ICC~~N/A E~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Mouse Monoclonal Antibody to VIMP is for research use only and not for use in diagnostic or therapeutic procedures.

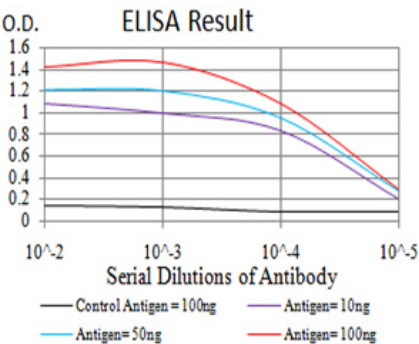
Protein Information

Name	SELENOS {ECO:0000303 PubMed:27645994, ECO:0000312 HGNC:HGNC:30396}
Function	Involved in the degradation process of misfolded endoplasmic reticulum (ER) luminal proteins. Participates in the transfer of misfolded proteins from the ER to the cytosol, where they are destroyed by the proteasome in a ubiquitin-dependent manner. Probably acts by serving as a linker between DERL1, which mediates the retrotranslocation of misfolded proteins into the cytosol, and the ATPase complex VCP, which mediates the translocation and ubiquitination.
Cellular Location	Endoplasmic reticulum membrane; Single-pass membrane protein. Cytoplasm

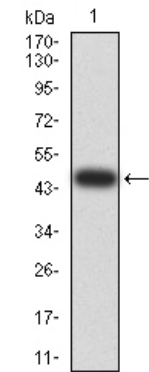
References

1.Free Radic Biol Med. 2014 Feb;67:265-77. ; 2.PLoS One. 2013 Jun 11;8(6):e65657.;

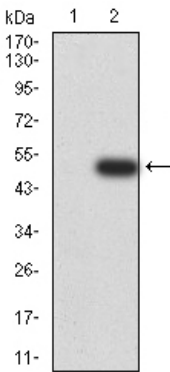
Images



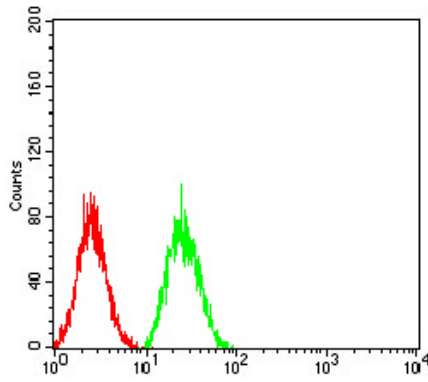
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



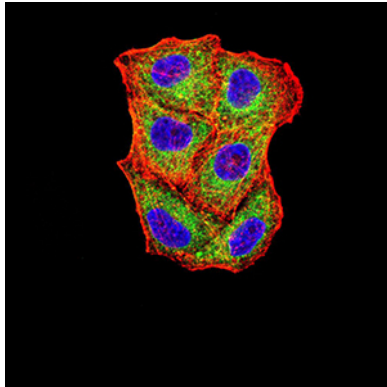
Western blot analysis using VIMP mAb against human VIMP (AA: 1-187) recombinant protein. (Expected MW is 46.9 kDa)



Western blot analysis using VIMP mAb against HEK293 (1) and VIMP (AA: 1-187)-hIgGfc transfected HEK293 (2) cell lysate.



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



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. Secondary antibody from Fisher

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.