

For Research Use Only

MAVS; VISA Monoclonal antibody, PBS Only (Capture)

Catalog Number: 66911-1-PBS

Featured Product



Basic Information

Catalog Number: 66911-1-PBS	GenBank Accession Number: BC044952	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 57506	CloneNo.: 1A8E9
Source: Mouse	UNIPROT ID: Q7Z434	
Isotype: IgG1	Full Name: mitochondrial antiviral signaling protein	
Immunogen Catalog Number: AG5949	Calculated MW: 57 kDa	
	Observed MW: 50-55 kDa, 70-75 kDa	

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

66911-1-PBS targets MAVS; VISA as part of a matched antibody pair:

MP50509-3: 66911-1-PBS capture and 66911-4-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

Mitochondrial antiviral-signaling protein (MAVS) is also known as virus-induced-signaling adapter (VISA) or IFN beta promoter stimulator protein 1 (IPS-1), it is widely involved and required for innate immune defense against viruses. MAVS, present in T cells, monocytes, epithelial cells and hepatocytes, contains CARD and transmembrane domains which are essential for antiviral functions. MAVS is able to interact with various cellular proteins including DDX58/RIG-I, IFIH1/MDA5, TRAF2, TRAF6, TMEM173/MITA, IFIT3 and etc. It can undergo phosphorylation on multiple sites and ubiquitination, which may together cause the molecular weight migrate to about 70 kDa despite the predicated 57 kDa.

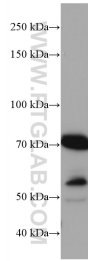
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

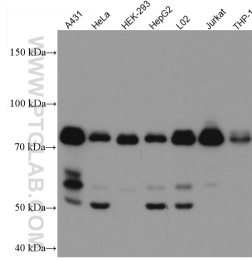
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

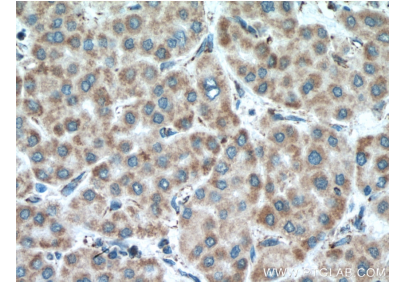
Selected Validation Data



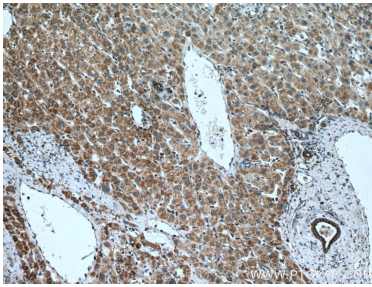
A431 cells were subjected to SDS PAGE followed by western blot with 66911-1-Ig (MAVS; VISA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66911-1-PBS in a different storage buffer formulation.



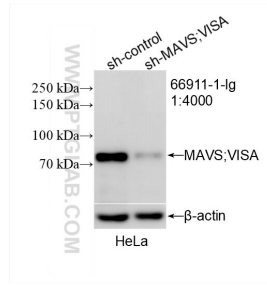
Various lysates were subjected to SDS PAGE followed by western blot with 66911-1-Ig (MAVS; VISA antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66911-1-PBS in a different storage buffer formulation.



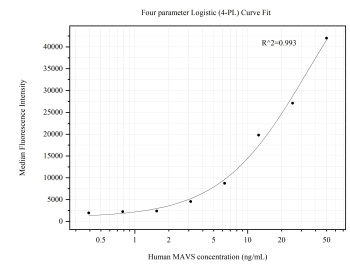
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66911-1-Ig (MAVS; VISA antibody) at dilution of 1:1100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66911-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66911-1-Ig (MAVS; VISA antibody) at dilution of 1:1100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66911-1-PBS in a different storage buffer formulation.



WB result of MAVS; VISA antibody (66911-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MAVS; VISA transfected HeLa cells. This data was developed using the same antibody clone with 66911-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50509-3, MAVS; VISA Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66911-1-PBS. Detection antibody: 66911-4-PBS. Standard: Ag5949. Range: 0.391-50 ng/mL