

For Research Use Only

AIM2 Monoclonal antibody

Catalog Number: 66902-3-Ig



Basic Information

Catalog Number: 66902-3-Ig	GenBank Accession Number: BC010940	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 9447	CloneNo.: 4C6E1
Source: Mouse	UNIPROT ID: O14862	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG2a	Full Name: absent in melanoma 2	
Immunogen Catalog Number: AG14607	Calculated MW: 343 aa, 39 kDa	
	Observed MW: 39 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Daudi cells, Raji cells, Karpas-299 cells, U266 cells, MJ cells, HuT 78 cells, U-87 MG cells
Species Specificity: human	

Background Information

Absent in melanoma 2 (AIM2) is a sensor of cytosolic DNA that is responsible for activation of the inflammasome and host immune responses to DNA viruses and intracellular bacteria [PMID:22695634]. Upon binding to DNA, it is thought to undergo oligomerization and to associate with PYCARD initiating the recruitment of caspase-1 precursor and processing of interleukin-1 beta and interleukin-18. Otherwise, it functions as a tumor suppressor which may act by repressing NF-kappa-B transcriptional activity [PMID:16432157,20566831]. 66902-1-Ig antibody detects the 37-39 and 53 kDa protein in SDS-PAGE similar to the paper published. [PMID: 28809949]

Storage

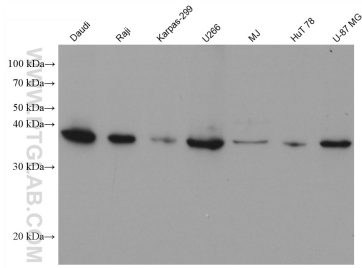
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66902-3-Ig (AIM2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.