

For Research Use Only

# CoraLite® Plus 488-conjugated AIM2 Monoclonal antibody



Catalog Number: CL488-66902

## Basic Information

<b>Catalog Number:</b> CL488-66902	<b>GenBank Accession Number:</b> BC010940	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 9447	<b>CloneNo.:</b> 3E12A8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O14862	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Isotype:</b> IgG1	<b>Full Name:</b> absent in melanoma 2	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG14607	<b>Calculated MW:</b> 343 aa, 39 kDa	
	<b>Observed MW:</b> 37-39 and 53 kDa	

## Applications

<b>Tested Applications:</b> WB	<b>Positive Controls:</b> WB : RAW 264.7 cells,
<b>Species Specificity:</b> Human, mouse, rat, rabbit	

## 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 precursors 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. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

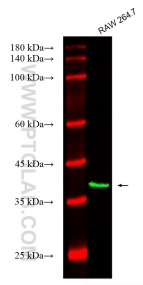
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-66902 (AIM2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.