

# CoraLite® Plus 488-conjugated AIM2

## Monoclonal antibody

Catalog Number: **CL488-66902**

### Basic Information

**Catalog Number:**

CL488-66902

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG14607

**GenBank Accession Number:**

BC010940

**GeneID (NCBI):**

9447

**UNIPROT ID:**

O14862

**Full Name:**

absent in melanoma 2

**Calculated MW:**

343 aa, 39 kDa

**Observed MW:**

37-39 and 53 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

3E12A8

**Recommended Dilutions:**

WB 1:500-1:1000

**Excitation/Emission maxima wavelengths:**

493 nm / 522 nm

### Applications

**Tested Applications:**

WB

**Species Specificity:**

Human, mouse, rat, rabbit

**Positive Controls:**

WB : RAW 264.7 cells,

### 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:**

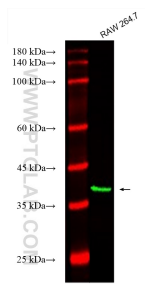
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.