

Datasheet for ABIN2666308
anti-AIM2 antibody (AA 1-186)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	AIM2
Binding Specificity:	AA 1-186
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AIM2 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	AA 1-186 of human AIM2 with GST tag.
Clone:	3B10
Isotype:	IgG1 kappa
Purification:	The antibody was purified by affinity chromatography.

Target Details

Target:	AIM2
Alternative Name:	AIM2 (AIM2 Products)
Background:	AIM2 is one of the human IFN-inducible proteins, encoding a 39 kD protein. It contains a 200 amino acid repeat, which is a signature of the HIN-200 family (hematopoietic IFN-inducible

Target Details

nuclear proteins). Expression of AIM2 can inhibit cell growth and tumor formation, possibly through inducing apoptosis and suppressing nuclear factor-kappa B transcriptional activity and desensitizing tumor necrosis factor-alpha-mediated nuclear factor-kappa B activation. Furthermore, the gene for AIM2 shows a high frequency of mutations associated with microsatellite unstable colorectal cancers. AIM2 plays a critical role in the activation of caspase-1, the protease responsible for the processing of pro-inflammatory cytokines IL-1 β and IL-18. AIM2 is also essential for mediating inflammatory reactions triggered by cytoplasmic DNA. AIM2 is an important sensor for different pathogens through the binding of cytoplasmic double-stranded DNA through HIN-200 domain and formation of inflammasomes including ASC/AIM2. This complex then triggers caspase-1 activation. Recent studies also show that AIM2/ASC complex acts as a novel caspase-8 activation platform.

Pathways: [Activation of Innate immune Response](#), [Positive Regulation of Endopeptidase Activity](#), [Inflammasome](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

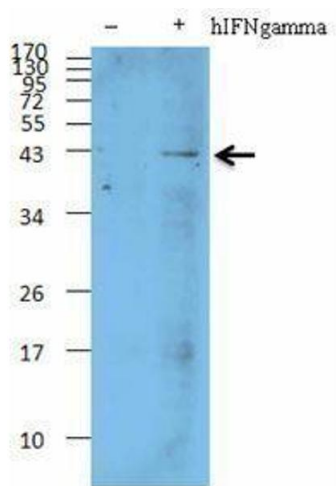
Handling

Concentration: 0.5 mg/mL

Buffer: phosphate-buffered solution, pH 7.2, 0.09 % Sodium azide.

Storage: 4 °C

Storage Comment: Upon receipt, store undiluted between 2°C and 8°C.



Western Blotting

Image 1.