



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



## Apoptosis inhibitor of macrophages (CT). Rabbit Polyclonal Antibody

Apoptosis inhibitor of macrophages, API6, API6, SP alpha, CD5L

### BACKGROUND

Apoptosis inhibitor of macrophages (AIM) is a member of the scavenger receptor cysteine-rich domain superfamily (SRCR-SF) initially identified as an inducible cell surface ligand of CD5. It was shown that AIM functions in the thymus as the inducer of resistance to apoptosis within CD4<sup>+</sup>/CD8<sup>+</sup> thymocytes and as the supporter of the viability of these cells before thymic selection. AIM was also shown to support macrophage survival and enhance their phagocytic function. More recent experiments using recombinant AIM significantly inhibited apoptosis of NKT and T cells obtained from *C. parvum*-stimulated livers *in vitro*, suggesting that AIM functions to induce resistance to apoptosis in these cells and supports host defense against inflammation during infection.

### ORDERING INFORMATION

**CATALOG NUMBER**

X1782P

**SIZE**

100 µg

**FORM**

Unconjugated

**HOST/CLONE**

Rabbit

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.02% sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG

**APPLICATIONS**

Western Blot

**SPECIES REACTIVITY**

Human, Mouse

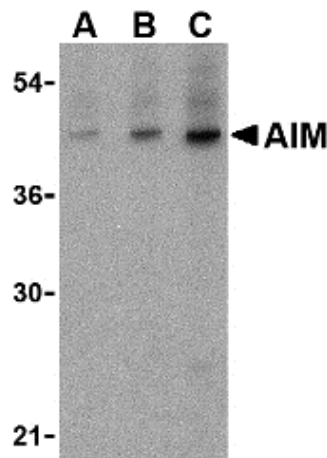
**ACCESSION NUMBER**

Human      AAD01446

### IMMUNOGEN

Rabbit polyclonal AIM antibody was raised against a 16 amino acid peptide from near the carboxy terminus of human AIM.

Western blot analysis of AIM in human lymph node tissue lysate with AIM antibody at (A) 1, (B) 2 and (C) 4 µg/ml.



**POSITIVE CONTROL/TISSUE EXPRESSION**

Expressed in spleen, lymph node, thymus, bone marrow, and fetal liver, but not in non-lymphoid tissue

**COMMENTS**

AIM antibody can be used for the detection of AIM by Western blot at 1 – 2 ug/ml. Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Antigen Immunoaffinity Purification

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

- 1) Miyazaki T, Hirokami Y, Matsushashi N, et al. Increased susceptibility of thymocytes to apoptosis in mice lacking AIM, a novel murine macrophage-derived soluble factor belonging to the scavenger receptor cysteine-rich domain superfamily. *J. Exp. Med.* 1999; 189:413-22.
- 2) Biancone L, Bowen MA, Lim A, et al. Identification of a novel inducible cell-surface ligand of CD5 on activated lymphocytes. *J. Exp. Med.* 1996; 184:811-9.
- 3) Haruta I, Kato Y, Hashimoto E, et al. Association of AIM, a novel apoptosis inhibitory factor, with hepatitis via supporting macrophage survival and enhancing phagocytic function of macrophages. *J. Biol. Chem.* 2001; 276:22910-4
- 4) Kuwata K, Watanabe H, Jiang S-Y, et al. AIM inhibits apoptosis of T cells and NKT cells in *Corynebacterium*-induced granuloma formation in mice. *Am. J. Path.* 2003; 162:837-47.

**PRODUCT SPECIFIC REFERENCES**