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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Apoptosis inhibitor of macrophages. 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+/CD8+ 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

X1781P

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

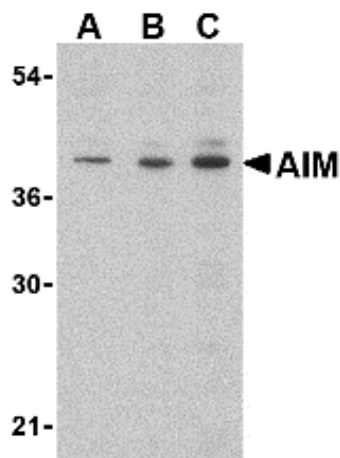
ACCESSION NUMBER

Human AAD01446

IMMUNOGEN

Rabbit polyclonal AIM antibody was raised against a 13 amino acid peptide from near the amino terminus of human AIM.

Western blot analysis of AIM in Raji lysate with AIM antibody at (A) 0.5, (B) 1 and (C) 2 µg/ml.



POSITIVE CONTROL/TISSUE EXPRESSION

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

COMMENTS

AIM antibody can be used for the detection of AIM by Western blot at 0.5 – 1ug/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, Matsuhashi 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) 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
- 3) 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