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Datasheet for 600-401-X88

AIM Antibody

Overview

Description:	Anti-AIM (RABBIT) Antibody - 600-401-X88
Item No.:	600-401-X88
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

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.
Synonyms:	AIM Antibody, AIM, API6, PRO229, Spalpha, SP-ALPHA, UNQ203/PRO229, CD5 antigen-like, CT-2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CD5L
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-AIM antibody was prepared from whole rabbit serum produced by repeated immunizations with a 13 amino acid synthetic peptide near the C-terminus of human AIM.

Purity/Specificity:	Anti-AIM Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with AIM from other sources has not been determined.
Relevant Links:	• UniProtKB - O43866 • GeneID - 922 • NCBI - AAD01446

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-AIM Antibody has been tested for use in ELISA, Western Blotting and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 38 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5000 - 1:20,000
IHC:	10 µg/mL
WB:	0.5 - 2 µg/mL

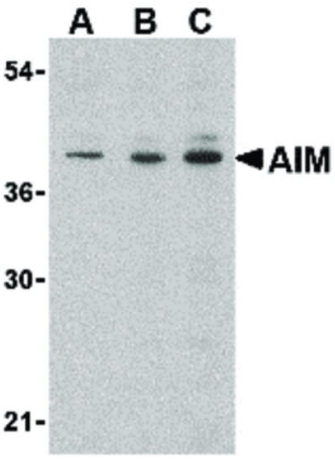
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

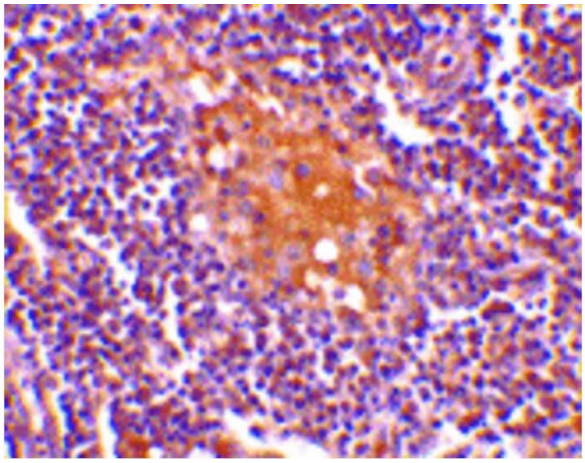
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of AIM antibody in Raji lysate. Lane 1: AIM antibody at 0.5 µg/mL. Lane 2: AIM antibody at 1 µg/mL. Lane 2: AIM antibody at 2 µg/mL. Load: 35 µg per lane. Primary antibody: AIM antibody at designated concentrations for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 38 kDa, 41 kDa for AIM. Other band(s): AIM splice variants and isoforms.



Immunohistochemistry
Immunohistochemistry of AIM antibody. Tissue: human lymph node tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: AIM antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: AIM is secreted. Staining: AIM is stained with hematoxylin purple nuclear counterstain.

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