



## Peninsula Laboratories, LLC

A Member of the Bachem Group

305 Old County Road, San Carlos, CA 94070

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### Monoclonal Antibody To Human (Rat) AIF-1 Activated Macrophages And Microglial Cells

Allograft Inflammatory Factor-1 is a  $Ca^{2+}$ -binding peptide produced by activated macrophages and microglial cells. It has been suggested that AIF-1 expression is associated with chronic inflammatory processes. AIF-1, like the  $Ca^{2+}$ -binding peptides MRP8 and MRP14, is expressed by activated macrophages and might participate in a variety of pathogenic processes in the mammalian brain and in chronic transplant rejection. It has been shown to be expressed early and persistently in chronically rejecting cardiac allografts but not in cardiac syngrafts and host hearts. The recently described apoptosis-inducing factor AIF is not related to AIF-1.

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<b>Product Number:</b>	T-1059
<b>Clone:</b>	1022-5
<b>Host species, isotype:</b>	Mouse IgG2b
<b>Quantity:</b>	200 $\mu$ g
<b>Format:</b>	Affinity purified, lyophilized  Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.01% Kathon as a preservative.
<b>Stability:</b>	Original vial: 1 year at 4° - 8°C  Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
<b>Applications:</b>	Tested for immunohistochemistry (IHC).  <b>Approximate working dilution for IHC:</b> Frozen sections: does not react on routinely processed frozen sections. Paraffin sections: 10 - 20 $\mu$ g/ml (1:20 - 1:40); microwave pretreatment for antigen retrieval recommended.  Optimal dilutions should be determined by the end user.  Suggested positive control: Human spleen.
<b>Immunogen:</b>	Purified human recombinant AIF-1.
<b>Antigen, epitope:</b>	The antigen is AIF-1, epitope not further characterized.



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**Specificity:**

**Human:** activated macrophages.

**Other:** rat

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**Selected references**

Schluesener, H.J. et al.: Allograft-inflammatory factor-1 in rat experimental autoimmune encephalomyelitis, neuritis, and uveitis: expression by activated macrophages and microglial cells. *Glia* **24**, 244-251 (1998)

Schluesener, H.J. et al.: Effects of autoantigen and dexamethasone treatment on expression of endothelial-monocyte activating polypeptide II and allograft-inflammatory factor-1 by activated macrophages and microglial cells in lesions of experimental autoimmune encephalomyelitis, neuritis and uveitis. *Acta Neuropathol.* **97**, 119-126 (1999).

For *in vitro* research only. This product contains Kathon as a preservative.