

Product datasheet for **BM4114**

Iba1 (AIF1) Mouse Monoclonal Antibody [Clone ID: 1022-5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1022-5
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 10-20 µg/ml (1/20-1/10). Microwave pretreatment for antigen retrieval recommended. Suggested Positive Control: Human spleen. Does not react on routinely processed Frozen Sections.
Reactivity:	Human, Porcine, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified Human recombinant AIF-1. Epitope not further characterized.
Specificity:	The antibody reacts with AIF-1.
Formulation:	PBS, pH 7.2 containing 5 mg/ml BSA as stabilizer and 0.05% (v/v) Kathon as preservative State: Aff - Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore by adding 0.5 ml distilled water.
Concentration:	0.4 mg/ml (after reconstitution)
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	allograft inflammatory factor 1



[View online »](#)

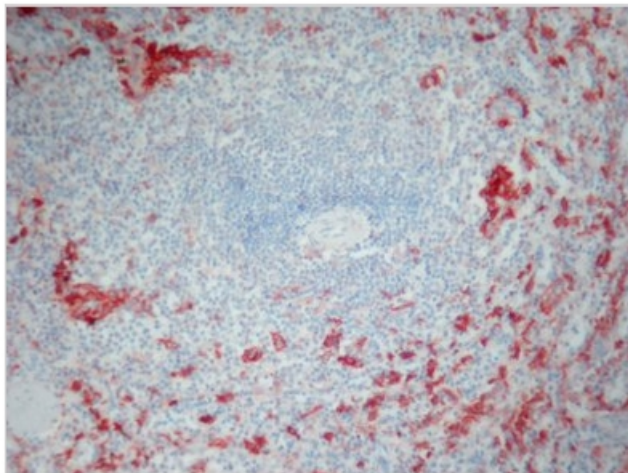
Database Link: [Entrez Gene 199 Human P55008](#)

Background: 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.

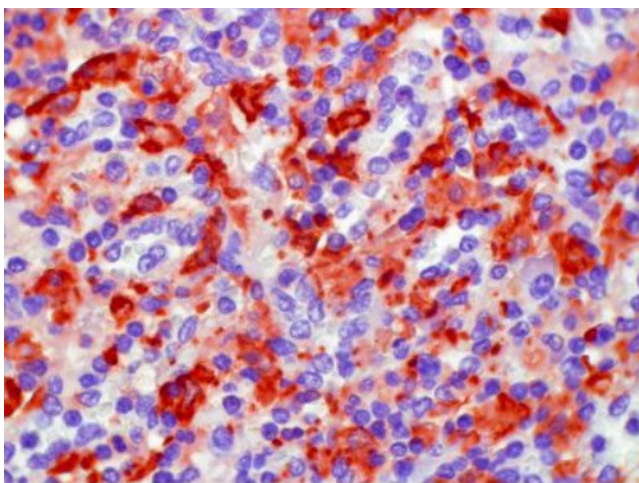
Synonyms: AIF-1, Protein G1, IBA1, Allograft inflammatory factor 1

Note: Protocol: **Immunohistochemistry With Unlabeled Monoclonal Antibodies On Paraffin-Embedded Tissue Sections**

1. Deparaffinize slides in chloroform for 30min and rehydrate to distilled water
2. Antigen retrieval: microwave treatment (700W) for 15min in 300ml 0.01M citrate buffer pH 6.0
3. Incubate slides for 15min in 200ml methanol/4.8ml 30% H_2O_2
4. Rinse slides 2x in distilled water and for 5min in TBS, pH 7.5
5. Block with normal swine serum diluted 1:10 in Tris buffered saline pH 7.5, containing 0.1% BSA. Cover sections with NSS and incubate for 15min in a humid chamber at RT
6. Remove serum from sections (do not rinse)
7. Incubate with primary antibody diluted in TBS/0.1%BSA, pH 7.5 for 60min in a humid chamber at RT
8. Rinse sections in TBS, pH 7.5 for 5min, 2x
9. Incubate with secondary antibody (Rabbit anti Mouse IgG+IgM-Biotin) 1:400 diluted in TBS/0.1%BSA, pH 7.5 for 30min in a moist chamber, RT. Preincubate now StreptABComplex /HRPO in TBS/0.1%BSA, pH 7.5!
10. Rinse sections in TBS, pH 7.5 for 5min, 2x
11. Incubate with StreptABComplex /HRPO for 30min in a humid chamber at RT
12. Rinse sections in TBS, pH 7.5 for 5min, 2x
13. DAB-staining Prepare 3,3' - diaminobenzidintetrahydrochloride (DAB) according to the manufacturers instructions (e.g. DAB tablets) and incubate slides for 1-15 min. Check color reaction to avoid overstaining.
14. Rinse sections in TBS, pH 7.5 for 5min, 2x
15. Counterstain in haematoxylin for 1min and rinse in cold tap water for 10min
16. Mount slides with coverslips

Product images:

AIF1 antibody staining of Paraffin Human Spleen Section.



AIF1 antibody staining of Paraffin Human Spleen Section.