

Mouse AIF1/Iba1 Monoclonal Antibody | anti-AIF1 antibody

AIF1/Iba1 (Microglia Marker)

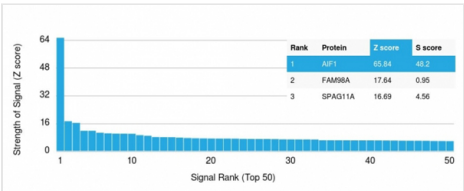
CATALOG # AAA62961	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

AIF1/Iba1; Monoclonal Antibody; AIF1/Iba1 (Microglia Marker); Allograft inflammatory factor 1 (AIF1); balloon angioplasty responsive transcription (BART1); IBA1; Interferon responsive transcript 1; Ionized calcium-binding adapter molecule 1; IRT1; Microglia response factor (MRF1); anti-AIF1 antibody

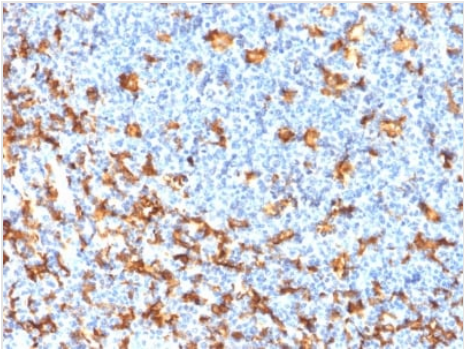
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	rAIF1/1909
Specificity	AIF1 is a cytoplasmic, calcium-binding protein that is thought to play a role in macrophage activation and function. AIF1, containing two EF domains, is induced by cytokines and Interferons. In an unstimulated state, AIF1 colocalizes with actin, and upon stimulation, translocates to lamellipodia. It is also a marker of human microglia and is expressed by macrophages in injured skeletal muscle. The gene encoding AIF1 resides in the tumor necrosis factor (TNF) cluster of genes, located in the region represented by the human major histocompatibility complex (MHC).
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	93
Applicable Applications for anti-AIF1 antibody	IHC (Immunohistochemistry)
Immunogen	Purified recombinant human AIF1 protein (around aa 1-146)
Cellular Localization	Cytoplasmic and Cell Surface
Hu-chromosome Location	6p21.33
Positive Control	Lymph Node, Tonsil or Kidney.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

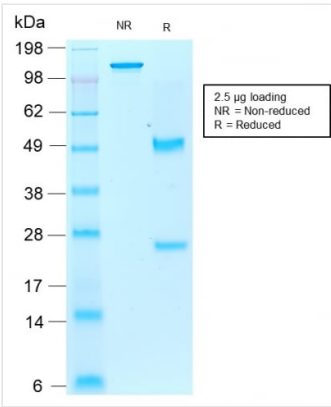


Application Data

Analysis of Protein Array containing >19, 000 full-length human proteins using AIF1 Mouse Monoclonal Antibody (rAIF/1909) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Lymph Node stained with AIF1 / Iba1 Mouse Recombinant Monoclonal Antibody (rAIF1/1909).



SDS-PAGE
SDS-PAGE Analysis Purified AIF1 / Iba1 Mouse Recombinant Monoclonal Antibody (rAIF1/1909).

ADDITIONAL INFORMATION

References	Kelemen SE, Autieri MV.Expression of allograft inflammatory factor-1 in T lymphocytes.Am J Pathol2005; 167:619-26.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	974987466
NCBI GeneID	199
NCBI Accession #	NP_001305899.1
NCBI GenBank Nucleotide #	NM_001318970.1
UniProt Accession #	P55008; O43904; Q9UIV4; Q9UKS9; A8K406
Molecular Weight	17kDa
NCBI Official Full Name	allograft inflammatory factor 1 isoform 1
NCBI Official Synonym Full Names	allograft inflammatory factor 1
NCBI Official Symbol	AIF1
NCBI Official Synonym Symbols	IBA1; IRT1; AIF-1; IRT-1
NCBI Protein Information	allograft inflammatory factor 1

UniProt Protein Name	Allograft inflammatory factor 1
UniProt Gene Name	AIF1
UniProt Synonym Gene Names	G1; IBA1; AIF-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/aif1-iba1-antibody-clone-raif1-1909-immunohistochemistry-elisa/62961>