

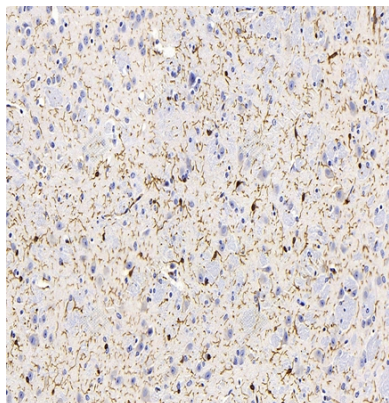


Product name:	Anti-Iba1 Mouse Monoclonal Antibody
Cat number:	MABS12105
Conjugate:	Unconjugated
Size:	100 ug
Clone:	5G4E7
Concentration:	1mg/ml
Host:	Mouse
Isotype:	IgG1, κ
Immunogen:	Recombinant protein corresponding to Mouse Iba1
Reactivity:	Human, Mouse, Rat, Monkey
Applications:	IHC(PFA fixed)/IF(PFA fixed) 1: 500-1: 4000 Species: Human, Mouse, Rat, Monkey Positive tissue: brain
Purification:	Affinity purification
Buffer:	PBS with 0.15% ProClin300, 100 μ g/mL BSA and 50% glycerol
Storage:	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Synonyms:	AIF-1, IBA, IRT-1, IRT1, allograft, AIF-1, AIF1, G1, IBA1, IRT 1, Protein G1, Ionized calcium-binding adapter molecule 1, MRF1, Microglia response factor, BART 1, AIF1 protein
Source:	Mouse
Background:	AIF1, also named as G1, IBA1 or daintain/AIF-1, is a 143 amino acid cytoplasmic, inflammation response scaffold protein. It is constitutively expressed in monocytes and macrophages and is known to be involved in macrophage activation. It is a marker of activated macrophage. Despite a lack of detailed knowledge on the in vivo physiological functions of AIF-1, there is growing evidence that shows its aberrant expression contributes to the pathogenesis of many autoimmune diseases, including rheumatoid arthritis. AIF1 is an actin-binding protein that enhances membrane ruffling and RAC activation. It enhances lymphocyte migration and the actin-bundling activity of LCP1.

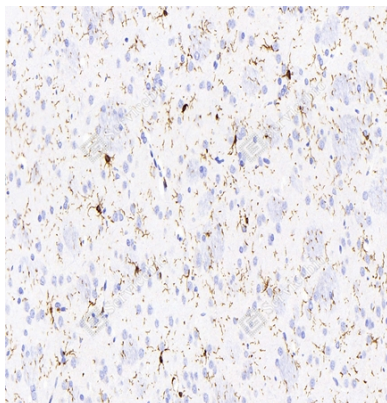
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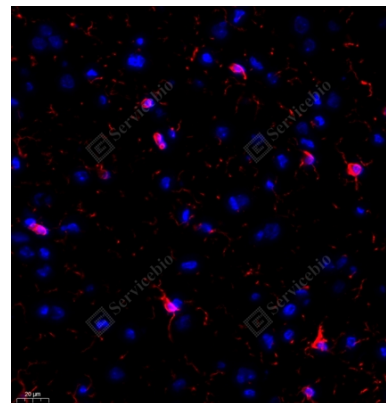
Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com



IHC analysis of Iba1. Sample: Mouse brain, 4% PFA 12-24h. Antigen retrieval: Citrate buffer (pH 6.0), 98°C, 20 min. Primary antibody: 1: 2000, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG (H+L) 1: 200, RT, 1h.



IHC analysis of Iba1. Sample: Rat brain, 4% PFA 12-24h. Antigen retrieval: Citrate buffer (pH 6.0) 98°C, 20 min. Primary antibody: 1: 2000, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG (H+L) 1: 200, RT, 1h.



IF analysis of Iba1 red. Sample: Rat brain, 4% PFA 12-24h. Antigen retrieval: Tris-EDTA buffer (pH 9.0), 98°C, 20min. Blocking buffer: 3% BSA in PBS, RT, 30min. Primary antibody: 1: 1000, 4°C overnight. Secondary antibody: Cy3 conjugated Goat Anti-Mouse IgG (H+L), 1: 300, RT, 1h.

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