

36-2207: Anti-AIF1 / Iba1 (Microglia Marker) Monoclonal Antibody(Clone: AIF1/2493)

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| Clonality : | Monoclonal |
| Clone Name : | AIF1/2493 |
| Application : | IHC |
| Reactivity : | Human |
| Gene : | AIF1 |
| Gene ID : | 199 |
| Uniprot ID : | P55008 |
| Alternative Name : | 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) |
| Isotype : | Mouse IgG2c, kappa |
| Immunogen Information : | Purified recombinant human AIF1 protein (around aa 1-146) (exact sequence is proprietary) |

Description

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).

Product Info

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| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/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. |
| Storage condition : | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

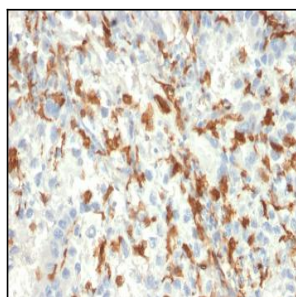


Fig. 1: Formalin-fixed, paraffin-embedded human Kidney stained with AIF1 / Iba1 Mouse Monoclonal Antibody (AIF1/2493).

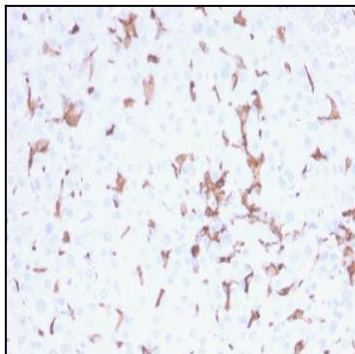


Fig. 2: Formalin-fixed, paraffin-embedded human Spleen stained with AIF1 / Iba1 Mouse Monoclonal Antibody (AIF1/2493).

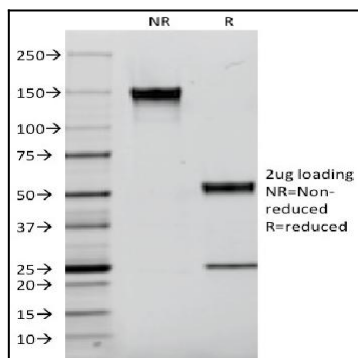


Fig. 3: SDS-PAGE Analysis Purified AIF1 / Iba1 Mouse Monoclonal Antibody (AIF1/2493). Confirmation of Integrity and Purity of Antibody.