AIF1 / Iba1 (Microglia Marker) Antibody

Mouse Monoclonal Antibody [Clone AIF1/2493]

Catalog No	Format	Size
199-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
199-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
199-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

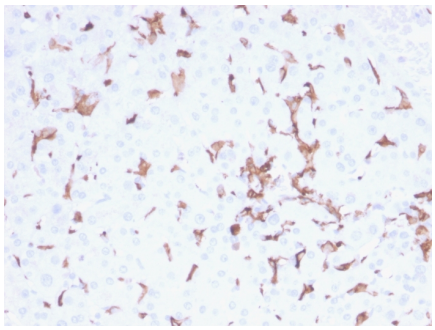
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

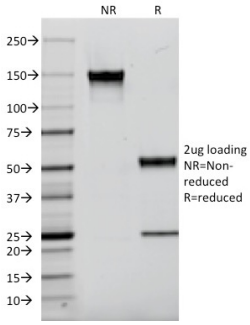
Clone	AIF1/2493
Gene Name	AIF1
Immunogen	Purified recombinant human AIF1 protein (around aa 1-146) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2c / Kappa
Mol. Weight of Antigen	17kDa
Cellular Localization	Cell projection, Cytoplasm, Cytoskeleton, Phagocytic cup, Ruffle membrane
Species Reactivity	Human
Positive Control	lymph node, Tonsil or Kidney.

**Optimal dilution for a specific application should be determined.*

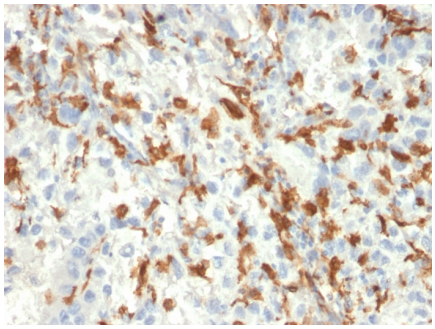
Product Images for AIF1 / Iba1 (Microglia Marker) Antibody



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



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



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

Specificity & Comments

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).

Supplied As

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.

Storage and Stability

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. No MSDS required.

Research Areas

Cardiovascular, Dendritic Cell Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.