![NeoBiotechnologies - Your Partner in Proteome Research]

AIF1 / Iba1 (Microglia Marker) Antibody

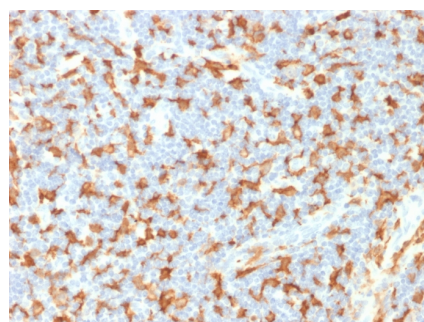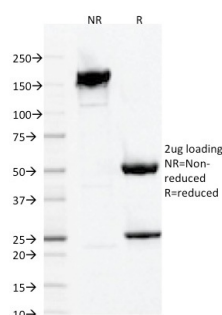Mouse Monoclonal Antibody [Clone AIF1/1909]

Catalog No	Format	Size
199-MSM1-P0	Purified Ab with BSA and Azide	200ug/ml
199-MSM1-P1	Purified Ab with BSA and Azide	200ug/ml
199-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml

Product Details

|	
Clone	AIF1/1909
Gene Name	AIF1
Immunogen	Purified fragment of human recombinant AIF1 protein (around aa 1-146) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / 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

SDS-PAGE Analysis of Purified AIF1 / Iba1 Mouse Monoclonal Antibody (AIF1/1909). Confirmation of Integrity and Purity of Antibody.
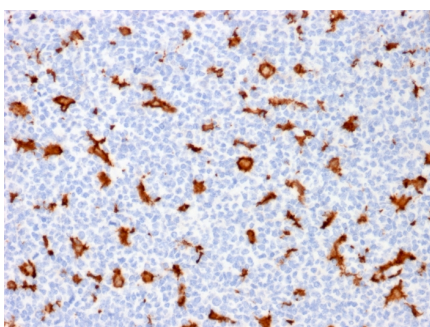

Formalin-fixed, paraffin-embedded human Lymph Node stained with AIF1 /Iba1 Mouse Monoclonal Antibody (AIF1/1909).
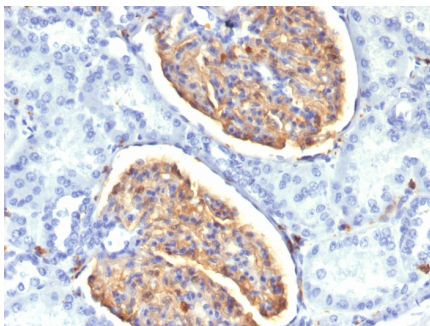
Formalin-fixed, paraffin-embedded human Kidney stained with AIF1 / Iba1 Mouse Monoclonal Antibody (AIF1/1909).
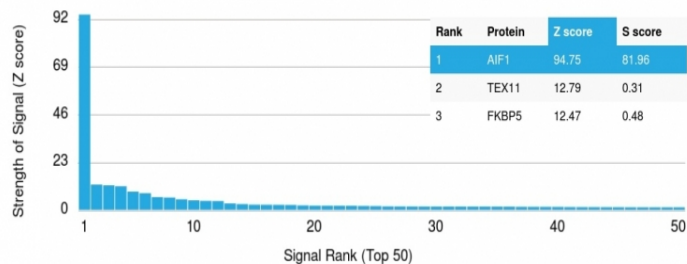
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing AIF1 Mouse Monoclonal Antibody (AIF1/1909) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM 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 HuProtTM 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 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.

Formalin-fixed, paraffin-embedded human Tonsil stained with AIF1 / Iba1 Mouse Monoclonal Antibody (AIF1/1909).

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).

Research Areas

Cardiovascular, Cellular Markers and Tags, Dendritic Cell Marker

Known Applications & Suggested Dilutions

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&degC followed by cooling at RT for 20 minutes) | Optimal dilution for a specific application should be determined.

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.

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.