

## Product Data Sheet: BACE1

**Cat. No:** AB-84297

Conjugate: Unconjugated

Size: 100 ug

Clone: POLY

Concentration: 1mg/ml

Host: Rb

Isotype: IgG

**Immunogen:** allograft inflammatory factor

**Reactivity:** Hu, Ms, Rt

Western Blot: 1:500-1:2000

**Applications:** Immunohistochemistry (paraffin.embedded tissues): 1:20-1:200

Immunoflorescence: 1:50-1:500

Molecular Weight: 17kDa

**Purification:** Aff. Pur. ≥95% as determined by SDS-PAGE

**Synonyms:** AIF 1, AIF1, G1, IBA1, IRT 1, Protein G1

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. (20944424). AIF1 is an actin-binding protein that enhances membrane ruffling and RAC activation. It enhances lymphocyte migration and the actin-bundling activity of LCP1. AIF1 plays a role in RAC signaling and in phagocytosis and a role in vascular inflammation. AIF1 promotes the proliferation of vascular smooth muscle cells

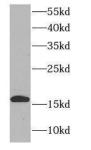
and of T-lymphocytes. It is also as a microglial cell marker.

Form: Liquid

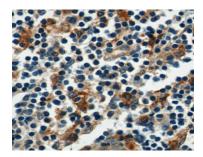
**Background:** 

Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months

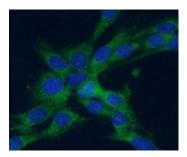
(Avoid repeated freeze / thaw cycles.)



mouse spleen tissue were subjected to SDS PAGE followed by western blot with (IBA1 antibody) at dilution of 1:1000



Immunohistochemistry of paraffinembedded human tonsillitis using (IBA1 antibody) at dilution of 1:50



Immunofluorescent analysis of ( -20 °C Ethanol ) fixed C6 cells using ( IBA1 Antibody) at dilution of 1:50 and Alexa Fluor 488-congugated Goat Anti-Rabbit IgG(H+L)



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