

## **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 Immunohistochemistry (paraffin.embedded tissues): **Applications:** 

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 **Background:** 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

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

(Avoid repeated freeze / thaw cycles.)