

## Anti-AIF1 [GT1-mAb1] Bulk Size Ab03986-23.0-BT

**Isotype and Format:** Rabbit IgG, Lambda

**Clone Number:** GT1-mAb1

**Alternative Name(s) of Target:** AIF1; IBA1; allograft inflammatory factor 1; AIF-1; IRT-1; interferon gamma responsive transcript; ionized calcium-binding adapter molecule 1; Daintain; DADB-70P7.8; allograft inflammatory factor-1 splice variant Hara-1; IRT1; protein G1

**UniProt Accession Number of Target Protein:** P55008

**Published Application(s):** WB, ELISA, FC, IF

**Published Species Reactivity:** Human

**Immunogen:** This antibody was obtained by sequencing a polyclonal goat IgG raised against a peptide with the sequence C-TGPPAKKAISELP.

**Specificity:** This antibody is specific to [EBP05419](#), an immunizing peptide with the sequence C-TGPPAKKAISELP. This peptide was used in the production of the [polyclonal Goat Anti-AIF1 antibody](#) from which this antibody is derived.

**Application Notes:** This antibody (GT1-mAb1) was one of two monoclonal antibodies discovered by analyzing a polyclonal antibody (GT-1) sample. Briefly, de novo sequencing of GT-1 resulted in the full-length sequences of two distinct monoclonal antibodies (GT1-mAb1 and GT1-mAb2) in both framework and CDR regions. Both antibodies were recombinantly expressed by Absolute Antibody in HEK293 cells and tested in various assays. GT1-mAb1 was tested against the peptide antigen in an ELISA, and it showed activity comparable to that of the original polyclonal antibody. GT1-mAb1 was found to bind the target peptide in a non-competitive manner with GT1-mAb2 while being efficiently blocked by the original polyclonal antibody, proving that both monoclonal antibodies bind distinct epitopes and that GT1-mAb1 possess binding characteristics of the input polyclonal antibody. Furthermore, GT1-mAb1 was compatible with immunofluorescence (IF), flow cytometry (FC), and Western blot (WB), with an FC signal observedly more distinct than that of GT1-mAb2.

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.