

## Monoclonal anti-human NFATc1 antibody (clone AT1C3)

**Mouse IgG<sub>2a</sub>, κ**

**Cat. No. IBATGA0133**

**Immunogen:** Recombinant human NFATc1 (428-716aa) purified from *E. coli*

**NCBI Accession No.:** NP\_765978

**Isotype:** Mouse IgG<sub>2a</sub> heavy chain and κ light chain

**Clone:** Anti-human NFATc1 mAb, clone AT1C3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human NFATc1 protein.

**Description:** Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1(NFATc1) is a component of the nuclear factor of activated T cells DNA-binding transcription complex which consists of at least two components: a preexisting cytosolic component that translocates to the nucleus upon T cell receptor (TCR) stimulation, and an inducible nuclear component. This protein plays a main role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2 or IL-4 gene transcription and functions as a major molecular target for the immunosuppressive drugs such as cyclosporine A. NFATc1 is expressed in most human primary lymphocytes and mature human T- and B-cell neoplasms.

**Concentration:** 1 mg/ml

**Form:** Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.

**Storage:** Can be stored at +4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.

**Usage:** The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1000 ~ 2000.  
Recommended starting dilution is 1:1000.

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**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

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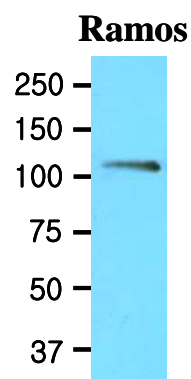
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# Product information

**Application:** ELISA, WB

## Western blot analysis

Cell lysates of Ramos (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human NFATc1 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



**General references:** Akimzhanov A, *et al.*, (2008) *Am J Pathol* 172(1):215-224  
Asagiri M, *et al.*, (2005) *J Exp Med* 202(9):1261-1269  
Rao A, *et al.*, (1997) *Annu Rev Immunol* 15:707-747

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