
Anti-NFATc1

Cat #: HM1237
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

The NFAT (nuclear factor of activated T cells) family of transcription factors are related to NF- B/Rel proteins and form cooperative complexes with the AP-1 proteins on DNA to regulate cytokine expression in T cells. The NFAT consists of at least two components: a preexisting cytosolic component that translocates to the nucleus upon T cell receptor (TCR) stimulation (NFATc1, NFATc2, NFATc3, NFATc4 and NFATc5), and an inducible nuclear component (NFATn). Proteins belonging to this family of transcription factors play a central role in inducible gene transcription during immune response. NFATc1 is present in uninduced cells and translocates to the nucleus upon calcium mobilization. It is a major molecular target for the immunosuppressive drugs such as cyclosporin A.

SPECIFICITY

This antibody reacts with NFATc1 of mouse and human origin by Western blotting, immunoprecipitation, immunohistochemistry (including paraffin-embedded sections).

Molecular Weight of NFATc1: 140 kDa. Western blotting positive control: Ramos cell lysate.

IMMUNOGEN

A recombinant protein corresponding to amino acids 197-304 of human NFATc1.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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