

RecomAb™

NFATC1 recombinant monoclonal antibody, clone R02-9B8

Catalog # RAB06486 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human NFATC1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human NFATC1.
Theoretical MW (kDa)	Calculated MW: 101 k
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunofluorescence(1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol and 0.02% Sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunofluorescence

- Flow Cytometry

Gene Info — NFATC1

Entrez GeneID	4772
Gene Name	NFATC1
Gene Alias	MGC138448, NF-ATC, NFAT2, NFATc
Gene Description	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
Omim ID	600489
Gene Ontology	Hyperlink
Gene Summary	The product of this gene is a component of the nuclear factor of activated T cells DNA-binding transcription complex. This complex 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. Proteins belonging to this family of transcription factors play a central role in inducible gene transcription during immune response. The product of this gene is an inducible nuclear component. It functions as a major molecular target for the immunosuppressive drugs such as cyclosporin A. Five transcript variants encoding distinct isoforms have been identified for this gene. Different isoforms of this protein may regulate inducible expression of different cytokine genes. [provided by RefSeq]
Other Designations	NFAT transcription complex cytosolic component\nuclear factor of activated T-cells, cytosolic component 1

Pathway

- [Axon guidance](#)
- [B cell receptor signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)
- [VEGF signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Heart Septal Defects](#)
- [Kidney Failure](#)
- [Pulmonary Valve Stenosis](#)
- [Tricuspid Atresia](#)