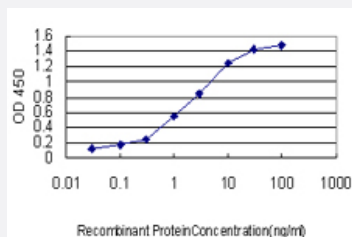


NFATC2 monoclonal antibody (M01), clone 2A4

Catalog # H00004773-M01

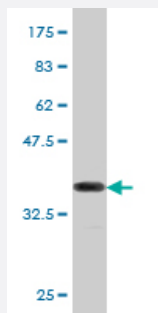
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NFATC2 is approximately 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NFATC2.
Immunogen	NFATC2 (NP_036472, 812 a.a. ~ 921 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	HYSPTNQQLRCGSHQEFQHIMYCENFAPGTTTRPGPPVVSQGQRLSPGSYPTVIQQQNATSQRAA KNGPPVSDQKEVLPAGVTIKQEQNLDQTYLDDELIDTRLNWIQNIL
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.84 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NFATC2 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NFATC2

Entrez GeneID

[4773](#)

GeneBank Accession#

[NM_012340](#)

Protein Accession#

[NP_036472](#)

Gene Name

NFATC2

Gene Alias

KIAA0611, NFAT1, NFATP

Gene Description

nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2

Omim ID

[600490](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene is a member of the nuclear factor of activated T cells (NFAT) family. The product of this gene is a DNA-binding protein with a REL-homology region (RHR) and an NFAT-homology region (NHR). This protein is present in the cytosol and only translocates to the nucleus upon T cell receptor (TCR) stimulation, where it becomes a member of the nuclear factors of activated T cells transcription complex. This complex plays a central role in inducing gene transcription during the immune response. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations

NFAT pre-existing subunit|NFAT transcription complex, preexisting component|OTTHUMP0000031291|T cell transcription factor NFAT1|nuclear factor of activated T-cells, cytoplasmic 2|nuclear factor of activated T-cells, preexisting component|preexisting nucl

Pathway

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

Disease

- [Cardiovascular Diseases](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Narcolepsy](#)
- [Tobacco Use Disorder](#)