

CoraLite®594-conjugated NFATC1 Monoclonal antibody

Catalog Number: **CL594-66963**

Basic Information

Catalog Number:

CL594-66963

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG13014

GenBank Accession Number:

BC104753

GeneID (NCBI):

4772

UNIPROT ID:

O95644

Full Name:nuclear factor of activated T-cells,
cytoplasmic, calcineurin-dependent 1**Calculated MW:**

716aa, 78 kDa; 943aa, 101 kDa

Observed MW:

101 kDa

Purification Method:

Protein G purification

CloneNo.:

1E1B10

**Excitation/Emission maxima
wavelengths:**

588 nm / 604 nm

Applications

Tested Applications:**Species Specificity:**

Human

Background Information

NFATc1(nuclear factor-activated T cells c1) is one of the transcription factors family consisting 5 members which were considered as a regulator of T-cell activation. In immune cell, NFATc1 is located in the cytoplasm in a hyperphosphorylated state and translocates into the nucleus upon cell stimulation via dephosphorylation(PMID:28327458). One paper observed that ectopic expression and nuclear accumulation of NFATc1 in more than 60% of human pancreatic cancers (PMID:25623042). Several alternative splicing transcript variants encoding different isoforms have been identified for this gene. And different isoforms of this protein may regulate different cytokine gene expression. NFATc1 is a main transcriptional activator for cytokine genes in activated lymphoid cells. Also some studies demonstrated that NFATc1 plays the role of a master transcription regulator of osteoclast differentiation (PMID:25489571).

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

