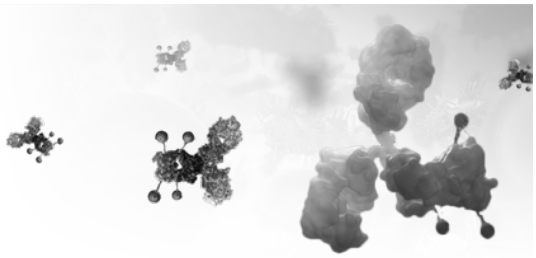

NFATC4 blocking peptide (DAG-P0966)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the nuclear factor of activated T cells (NFAT) protein family. The encoded protein is part of a 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 stimulation and an inducible nuclear component. NFAT proteins are activated by the calmodulin-dependent phosphatase, calcineurin. The encoded protein plays a role in the inducible expression of cytokine genes in T cells, especially in the induction of interleukin-2 and interleukin-4. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Specificity	Highly expressed in placenta, lung, kidney, testis and ovary. Weakly expressed in spleen and thymus. Not expressed in peripheral blood lymphocytes. Detected in hippocampus.
Conjugate	Unconjugated
Applications	Neut, BL
Sequence Similarities	Contains 1 IPT/TIG domain.Contains 1 RHD (Rel-like) domain.
Format	Liquid
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	NFATC4 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4 [Homo sapiens (human)]
Official Symbol	NFATC4

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Synonyms	NFATC4; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4; NFAT3; NF-AT3; NF-ATC4; nuclear factor of activated T-cells, cytoplasmic 4; T-cell transcription factor NFAT3;
Entrez Gene ID	4776
mRNA Refseq	NM_001136022.2
Protein Refseq	NP_001129494.1
UniProt ID	Q14934
Chromosome Location	14q11.2
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; BDNF signaling pathway, organism-specific biosystem; ErbB2/ErbB3 signaling events, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Heart Development, organism-specific biosystem; Hepatitis B, organism-specific biosystem; MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem; Physiological and Pathological Hypertrophy of the Heart, organi
Function	DNA binding; peroxisome proliferator activated receptor binding; protein binding; sequence-specific DNA binding RNA polymerase II transcription factor activity; transcription coactivator activity; transcription factor binding;

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