

Datasheet for ABIN7354752

anti-NFATC3 antibody (AA 630-712) (DyLight 550)



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Overview

Quantity:	100 µg
Target:	NFATC3
Binding Specificity:	AA 630-712
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFATC3 antibody is conjugated to DyLight 550
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Human NFAT4 DyLight® 550 conjugated NFATC3 Antibody
Immunogen:	E. coli-derived human NFAT4 recombinant protein (Position: K630-L712).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Human NFAT4 DyLight® 550 conjugated NFATC3 Antibody -DyL550. Tested in Flow Cytometry applications. This antibody reacts with Human.
Purification:	Immunogen affinity purified.

Target Details

Target:	NFATC3
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Target Details

Alternative Name:	NFATC3 (NFATC3 Products)
Background:	Synonyms: Nuclear factor of activated T-cells, cytoplasmic 3, NF-ATc3, NFATc3, NFATx, T-cell transcription factor NFAT4, NF-AT4, NFATC3, NFAT4 Tissue Specificity: Isoform 1 is predominantly expressed in thymus and is also found in peripheral blood leukocytes and kidney. Isoform 2 is predominantly expressed in skeletal muscle and is also found in thymus, kidney, testis, spleen, prostate, ovary, small intestine, heart, placenta and pancreas. Isoform 3 is expressed in thymus and kidney. Isoform 4 is expressed in thymus and skeletal muscle. Background: Nuclear factor of activated T-cells, cytoplasmic 3 is a protein that in humans is encoded by the NFATC3 gene. The product of this gene is a member of the nuclear factors 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. Other members of this family participate to form this complex also. The product of this gene plays a role in the regulation of gene expression in T cells and immature thymocytes.
Molecular Weight:	39 kDa
Gene ID:	4775
UniProt:	Q12968
Pathways:	RTK Signaling , WNT Signaling , Fc-epsilon Receptor Signaling Pathway , Chromatin Binding

Application Details

Application Notes:	Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells¹. Hoey T, Sun YL, Williamson K, Xu X (May 1995). "Isolation of two new members of the NF-AT gene family and functional characterization of the NF-AT proteins". Immunity. 2 (5): 461-72. 2. Horsley, V., Pavlath, G. K. NFAT: ubiquitous regulator of cell differentiation and adaptation. J. Cell Biol. 156: 771-774, 2002.
Comment:	Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Each vial contains 50 % glycerol, 0.9 % NaCl, 0.2 % Na ₂ HPO ₄ , 0.02 % Sodium azide.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.