

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NFATC1 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 679340
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Phosphopeptide containing the human S172 site.
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

NFATC1 (Nuclear factor of activated T cells c1), also called NFAT2a, is a 120 kDa, 943 amino acid member of the NFAT family of transcription factors. NFATC1 is found in T cells and mast cells, and regulates cytokine transcription. NFATC1 is normally cytoplasmic and phosphorylated at Ser172 within a transactivation domain. Upon a rise in intracellular Ca⁺⁺, dephosphorylation occurs via calcineurin, and NFATC1 enters the nucleus. Multiple isoforms exist.

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