

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NFAM1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 374301
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human NFAM1 Gln43-Lys163 Accession # Q8NET5
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

NFAM1 is a ~30 kDa transmembrane ITAM-containing glycoprotein of the Ig superfamily that activates the NFAT family of transcription factors. NFAM1 is expressed in leukocytes, predominantly splenic B and T cells, and is involved in B cell activation and signaling. The 121 aa human NFAM1 extracellular domain contains one V-type Ig-like domain and shows 45% aa identity with mouse NFAM1. The 86 aa cytoplasmic domain contains one ITAM consensus sequence.

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