

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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human NFAM1

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.