

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TRAF-6 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 326019
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E.coli</i> -derived recombinant human TRAF-6 Met1-Val522 Accession # Q9Y4K3
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ cells	Jurkat human acute T cell leukemia cell line fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005)

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Tumor Necrosis Factor (TNF) Receptor-Associated Factors (TRAFs) are a family of adaptor proteins that interact with a wide range of cell surface receptors and participate in the regulation of cell survival, proliferation, differentiation, and stress response. TRAFs were identified by their ability to form complexes with TNF receptor superfamily members but more recently are reported to also bind to Toll/IL-1 receptor family members and mediate cellular signaling. Six members of the TRAF family have been identified. All TRAF proteins have a homologous C-terminal TRAF domain that can bind the cytoplasmic domain of receptors as well as other TRAFs. TRAFs2-6 have N-terminal RING and zinc finger domains that are involved in signaling downstream events. TRAF-6 is a 522 amino acid, 60 kDa protein. Overexpression of TRAF-6 mediates the activation of NF-kappa-B and JNK signaling pathways. TRAF-3 and TRAF-6 have been identified as adaptor molecules involved in TLR/IL-1R signaling events.

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