

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FYB/ADAP/SLAP130 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 460107
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human FYB/ADAP/SLAP130 Ala2-Gly274 Accession # O15117
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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 paraformaldehyde and permeabilized with methanol

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

Human SH2 domain containing leukocyte protein-76-Associated Phosphoprotein of 130 kDa (SLAP130), also known as Fyb-120 and ADAP, is an 86 kDa, 783 amino acid, cytoplasmic protein that runs anomalously as a 120-130 kDa protein in SDS-PAGE. Human SLAP130 is a hematopoietic-specific adaptor that associates with other cytoplasmic proteins such as SH2-containing Leukocyte Phosphoprotein of 76 kDa (SLP-76). Adaptors integrate signals from surface receptors and are essential components of many immune cell-signaling cascades. There is at least one known alternatively-spliced SLAP130 isoform which contains an additional 46 aa. Over the region used as immunogen, SLAP130 is 66% and 76% identical to the corresponding canine and mouse proteins, respectively.

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