

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DTX1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, 100% cross-reactivity with recombinant human DTX4 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 730612
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli-derived recombinant human DTX1/DTX4 Met1-Phe147 Accession # Q86Y01
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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	K562 human chronic myelogenous leukemia cell line fixed with paraformaldehyde and permeabilized with saponin

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

Deltex-1 (DTX1) is an approximately 75 kDa cytoplasmic and nuclear ubiquitin ligase that interacts with the Notch-1 intracellular domain and regulates Notch-induced gene transcription. It contains two WWE domains (aa 14-94 and aa 95-171) and one RING-type zinc finger (aa 411-472). Within aa 1-147, human Deltex-1 shares 97% aa sequence identity with mouse and rat Deltex-1.

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