

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human KLF12 in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 1230C
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived human KLF12 Asn2-Val402 Accession # Q9Y4X4
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	MG-63 human osteosarcoma cell line fixed and permeabilized with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012)

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

Kruppel-like factor 12 is a protein that in humans is encoded by the KLF12 gene. The protein encoded by this gene confers strong transcriptional repression to the AP-2-alpha gene, a developmentally-regulated transcription factor active during vertebrate development and carcinogenesis. KLF12 has been reported as a novel tumor-suppressor gene whose loss of function is associated with anoikis resistance. Three isoforms have been found for this gene.

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