

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GFI-1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human GFI-1 Pro2-Leu250 Accession # Q99684
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Intracellular Staining by Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

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. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Human GFI-1 is a 55 kDa, 422 amino acid (aa) nuclear, zinc-finger transcriptional regulator. It contains an N-terminal SNAG domain, an Ala/Gly-rich region, and a C-terminus with six C2H2-type zinc finger motifs. GFI-1 binds DNA in a sequence-specific manner. GFI-1 functions as a transcription repressor in lymphoid cells and is required for neutrophil maturation. It also regulates self-renewal and is essential for the functional integrity of hematopoietic stem cells. Over the region used for immunization, human GFI-1 shares less than 50% amino acid sequence homology with human GFI-1B. It also shares 79% and 89% aa sequence identity with mouse and canine GFI-1, respectively.

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