

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human GFI-1 in direct ELISAs and Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human GFI-1 Pro2-Leu250 Accession # Q99684
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
<b>Formulation</b>	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.

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

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	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.

## PRODUCT SPECIFIC NOTICES

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