

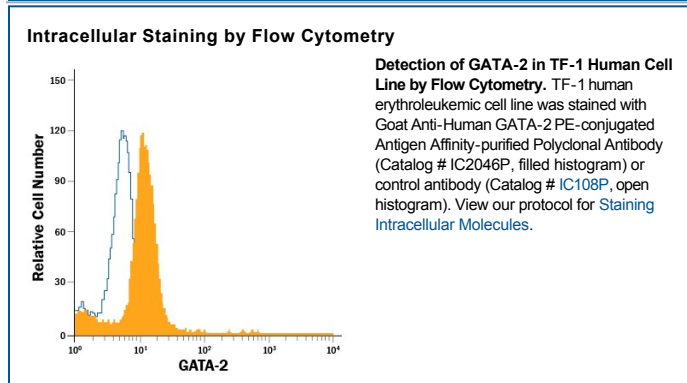
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human GATA-2. In direct ELISAs and Western blots, this antibody shows less than 1% cross-reactivity with rhGATA-1, rhGATA-5 and rhGATA-6.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human GATA-2 Ala15-Thr279 Accession # P23769
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied 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	10 μ L/10 ⁶ cells	See Below

DATA



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

GATA factors constitute a family of transcriptional regulatory factors that bind to the consensus DNA sequence (A/T) GATA (A/G) to control diverse tissue-specific programs of gene expression and morphogenesis. GATA-1/2/3 are each expressed in the hematopoietic system while GATA 4/5/6 are each expressed in the developing heart and in gastrointestinal and gut-derived tissues (1, 2).

References:

1. Tsai, S.F. *et al.* (1989) *Nature* **339**:446.
2. Jiang, Y. and T. Evans (1996) *Dev. Biol.* **174**:258.