

# **Human GATA-1 Antibody**

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF1779

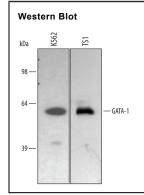
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human GATA-1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody shows less than 1% cross-reactivity with rhGATA-2, rhGATA-5 and rhGATA-6.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human GATA-1 Met1-Ser413 Accession # P15976	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

#### 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
0.5 μg/mL	See Below

### DATA



## Detection of Human GATA-1 by Western Blot.

Western blot shows lysates of K562 human chronic myelogenous leukemia cell line and TS1 mouse helper T cell line. PVDF membrane was probed with 0.5 µg/mL of Human GATA-1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1779) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for GATA-1 at approximately 50 kDa (as indicated). This experiment was conducted using Immunoblot Buffer Group 1.

## PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.		
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.		
	*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C		

## Stability & Storage

## Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

### BACKGROUND

GATA-1 is the founding member of the GATA family of transcription factors, which bind to the consensus DNA sequence (A/T) GATA (A/G) to control diverse tissue-specific programs of gene expression and morphogenesis. GATA-1 is expressed in blood forming cells. It interacts with several additional proteins to activate or repress gene expression and is essential for erythropoiesis (1).

### References:

1. Patient, R.K. and J. McGhee (2002) Curr. Opin. Genet. Dev. 12:416.

Rev. 2/6/2018 Page 1 of 1

