

# Product Datasheet

## GATA-1 Antibody (4F5) NBP1-47492

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-47492****GATA-1 Antibody (4F5)**

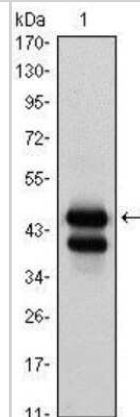
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4F5
<b>Preservative</b>	0.03% Sodium Azide
<b>Isotype</b>	IgG2b
<b>Purity</b>	Ascites
<b>Buffer</b>	Ascites
<b>Target Molecular Weight</b>	42.7 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse GATA-1 Antibody (4F5) (NBP1-47492) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and ChIP. Anti-GATA-1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	2623
<b>Gene Symbol</b>	GATA1
<b>Species</b>	Human, Baboon
<b>Reactivity Notes</b>	Papio anubis reactivity reported from a verified customer review.
<b>Immunogen</b>	Purified recombinant fragment of human GATA-1 expressed in E. Coli.

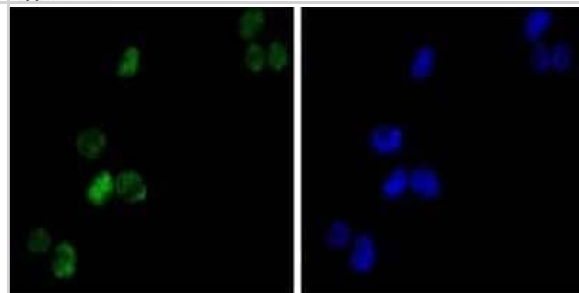
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP)
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, ELISA 1:10000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000, Chromatin Immunoprecipitation (ChIP)
<b>Application Notes</b>	Use in Chip reported in scientific literature (PMID:32763160)

## Images

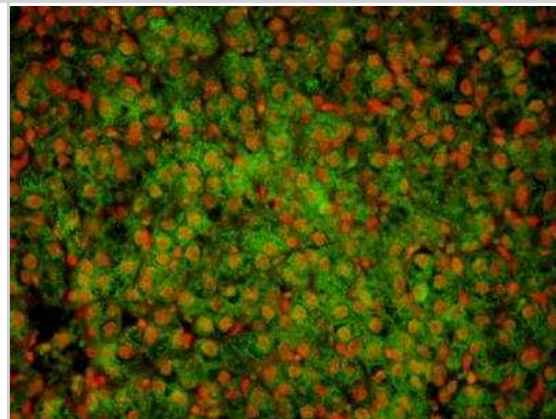
Western Blot: GATA-1 Antibody (4F5) [NBP1-47492] - Analysis using GATA1 mouse mAb against K562 (1) cell lysate.



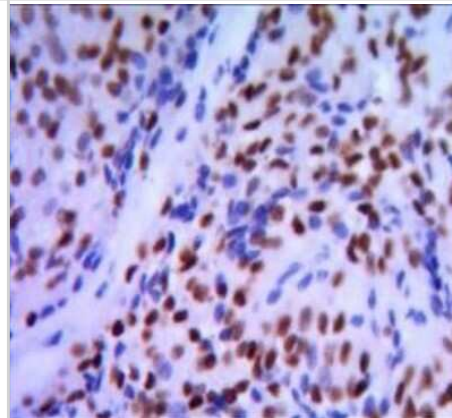
Immunocytochemistry/Immunofluorescence: GATA-1 Antibody (4F5) [NBP1-47492] - Analysis of K562(left) cells using GATA1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Immunohistochemistry: GATA-1 Antibody (4F5) [NBP1-47492] - Staining of Fetal Baboon Liver. Antigen retrieval: 10mM sodium citrate, pH 6.0, Primary Ab: 1:500 dilution, Secondary Ab (biotinylated): 1:200, Streptavidin-AlexaFluor488: 1:500 (green), Quench autofluorescence with 1% Sudan Black in 70% methanol. Image from verified customer review.



Immunohistochemistry-Paraffin: GATA-1 Antibody (4F5) [NBP1-47492] - Analysis of pancreatic cancer, using GATA1 mouse mAb with DAB staining.



## Publications

Chen J, Zhou Q, Liu MH et al. FAM122A Inhibits Erythroid Differentiation through GATA1 Stem Cell Reports 2020-07-31 [PMID: 32763160] (ICC/IF, Chemotaxis, Human)

Astrom M, Hahn-Stromberg V, Zetterberg E et al. X-linked thrombocytopenia with thalassaemia displays bone marrow reticulin fibrosis and enhanced angiogenesis: Comparisons with primary myelofibrosis. *Am. J. Hematol.* 2014-11-25 [PMID: 25421114]





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### **Products Related to NBP1-47492**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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