

# Product Datasheet

## **Fc gamma RII/RIII (CD32/CD16) Antibody (93) - Azide and BSA Free** **NBP1-27946**

Unit Size: 0.25 mg

Store at 4C. Do not freeze.

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**NBP1-27946**

Fc gamma RII/RIII (CD32/CD16) Antibody (93) - Azide and BSA Free

Product Information	
Unit Size	0.25 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	93
Preservative	No Preservative
Isotype	IgG2a
Purity	Protein A or G purified
Buffer	PBS

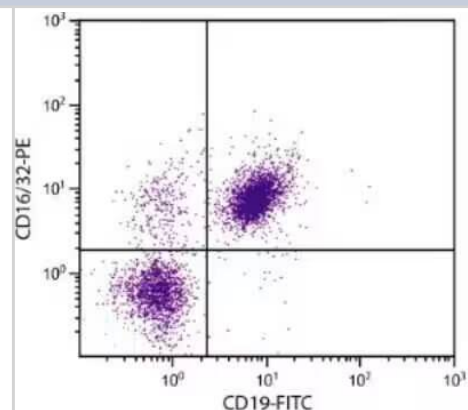
Product Description	
Host	Rat
Gene ID	2214
Gene Symbol	FCGR3A
Species	Mouse
Immunogen	Murine CD16/32 (CD16/Fc gamma III and CD32/Fc gamma III receptors)

Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Block/Neutralize
Recommended Dilutions	Flow Cytometry $\leq 3 \mu\text{g}/10^6$ cells, Immunohistochemistry, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Block/Neutralize

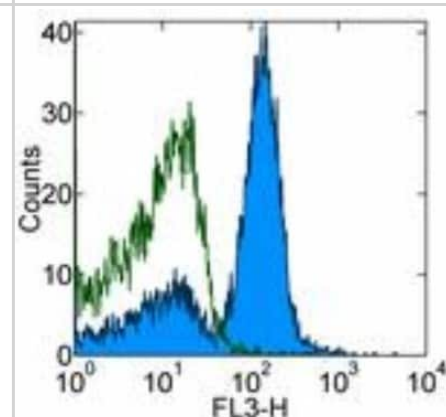


## Images

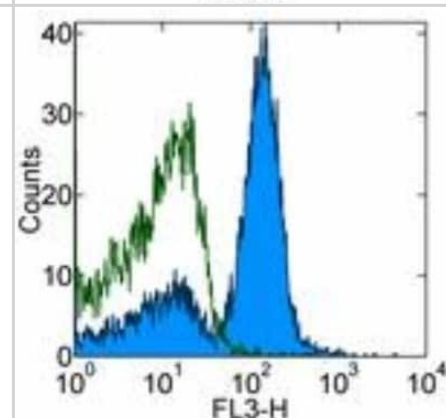
Analysis using the PE conjugate of NBP1-27946. Multiple staining of BALB/c splenocytes.



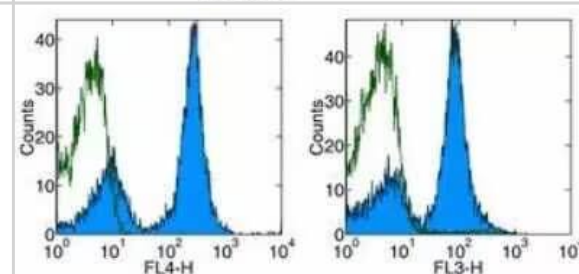
Analysis using the PerCP/Cy5.5 conjugate of NBP1-27946. Staining of BALB/c splenocytes with 0.06 ug of Rat IgG2a K Isotype Control PerCP-Cy5.5 (open histogram) or 0.06 ug of Anti-Mouse CD16/CD32 PerCP-Cy5.5 (filled histogram). Total viable cells were used for analysis.



Analysis using the PE/Cy7 conjugate of NBP1-27946. Staining of BALB/c splenocytes with staining buffer (autofluorescence) (open histogram) or 0.125 ug of Anti-Mouse Fc gamma RII/RIII (CD32/CD16) PE-Cy7 (filled histogram). Total cells were used for analysis.



Staining of mouse splenocytes with Anti-Mouse Fc gamma RII/RIII (CD32/CD16) APC (left), and PE-Cy7 (right). Autofluorescence is shown via open histogram. Total cells were used for analysis.



## Procedures

### **Immunohistochemistry-Paraffin Protocol for Fc gamma RII/RIII (CD32/CD16) Antibody (NBP1-27946)**

#### Immunohistochemistry-Paraffin Embedded Sections

##### Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes (keep slides in the sodium citrate buffer at all times).

##### Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in PBS for 5 minutes.
3. Block each section with 100-400 ul blocking solution (1% BSA in PBS) for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul HRP polymer conjugated secondary antibody. Incubate 30 minutes at room temperature.
7. Wash sections three times in wash buffer for 5 minutes each.
8. Add 100-400 ul DAB substrate to each section and monitor staining closely.
9. As soon as the sections develop, immerse slides in deionized water.
10. Counterstain sections in hematoxylin.
11. Wash sections in deionized water two times for 5 minutes each.
12. Dehydrate sections.
13. Mount coverslips.





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### **Products Related to NBP1-27946**

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HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)
210-TA-005	TNF-alpha [Unconjugated]

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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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