

# **Human Fc gamma RIII (CD16)** APC-conjugated Antibody Monoclonal Mouse IgG<sub>2A</sub> Clone # 245536

Catalog Number: FAB2546A 100 TESTS, 25 TESTS

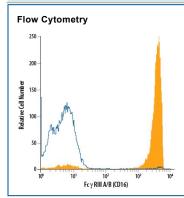
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human Fcγ RIIIA/B (CD16) in direct ELISAs. In direct ELISAs, approximately 10% cross-reactivity with recombinant human Fcγ RII and recombinant mouse Fcγ RIII is observed.		
Source	Monoclonal Mouse IgG <sub>2A</sub> Clone # 245536		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Fcγ RIIIA/B (CD16) Thr20-Gln208 Accession # O75015		
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 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 Shee (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
Flow Cytometry	10 μL/10 <sup>6</sup> cells	See Below

### DATA



Detection of Fc gamma RIII (CD16) in Human Blood Neutrophils by Flow Cytometry. Human peripheral blood neutrophils were stained with Mouse Anti-Human Fc gamma RIII (CD16) APCconjugated Monoclonal Antibody (Catalog # FAB2546A, filled histogram) or isotype control antibody (Catalog # IC003A, open histogram). View our protocol for Staining Membrane-associated Proteins

## PREPARATION AND STORAGE

The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. Shipping

Stability & Storage

Protect from light. Do not freeze.

• 12 months from date of receipt, 2 to 8 °C as supplied.

## BACKGROUND

Fcy RIIIA and B are low affinity receptors for polyvalent immune-complexed IgG. Fcy RIIIA is a transmembrane activating receptor expressed by NK cells, T cells, monocytes, and macrophages. Fcy RIIIB is a non-activating GPI-linked decoy receptor expressed on neutrophils and eosinophils.

