

# Human Fc gamma RIII (CD16) Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG<sub>2A</sub> Clone # 245536

Catalog Number: FAB2546R  
100 µg

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Fcγ RIIIA/B (CD16) in direct ELISAs. In direct ELISAs, approximately 10% cross-reactivity with recombinant human Fcγ RIIA and recombinant mouse Fcγ RIII is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 245536
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human Fcγ RIIIA/B (CD16) Thr20-Gln208 Accession # O75015
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	Supplied 0.2 mg/mL 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human whole blood granulocytes

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

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

## PRODUCT SPECIFIC NOTICES

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