

Datasheet for ABIN535935  
**anti-FCGR3A antibody (PE)**[Go to Product page](#)

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## Overview

Quantity:	100 reactions
Target:	FCGR3A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FCGR3A antibody is conjugated to PE
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

## Product Details

Purpose:	Mouse monoclonal antibody raised against native FCGR3A.
Immunogen:	Native purified FCGR3A from normal human peripheral blood granulocytes.
Clone:	LNK16
Isotype:	IgG1
Specificity:	This antibody reacts with CD16, a low affinity receptor for aggregated IgG (FcgammaRIII antigen). CD16 exists in two different isoforms: CD16a (FcgammaRIIIA, 50-65 KDa, expressed on NK-cells, monocytes and macrophages) and CD16b (FcgammaRIIIB, 48 KDa, mainly expressed on neutrophils).
Cross-Reactivity:	Human, Non-Human Primate

## Target Details

Target:	FCGR3A
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## Target Details

Alternative Name: FCGR3A ([FCGR3A Products](#))

Gene ID: 2214

## Application Details

Application Notes: Flow Cytometry (20 µL in human blood cells 100 µL in whole blood or 10<sup>6</sup> cells in a suspension)  
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: In PBS (0.2 % BSA, 0.09 % sodium azide)

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

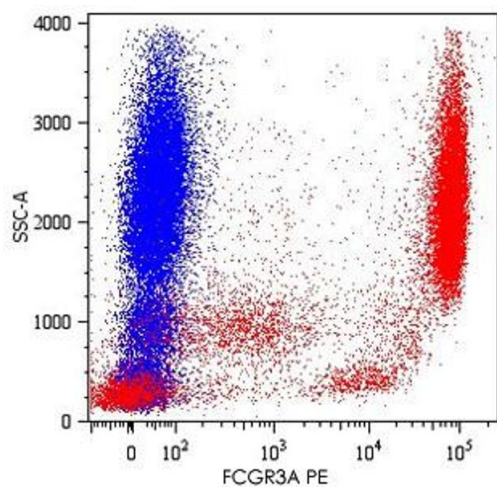
Storage: 4 °C

Storage Comment: Store in the dark at 4°C. Do not freeze.  
Avoid prolonged exposure to light.  
Aliquot to avoid repeated freezing and thawing.

## Publications

Product cited in: Boyle: "Human macrophages kill human mesangial cells by Fas-L-induced apoptosis when triggered by antibody via CD16." in: **Clinical and experimental immunology**, Vol. 137, Issue 3, pp. 529-37, (2004) ([PubMed](#)).

Arase, Arase, Hirano, Yokosuka, Sakurai, Saito: "IgE-mediated activation of NK cells through Fc gamma RIII." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 170, Issue 6, pp. 3054-8, (2003) ([PubMed](#)).



### Flow Cytometry

**Image 1.** Surface staining of human peripheral blood cells with FCGR3A monoclonal antibody, clone LNK16 (PE) .