



Datasheet for ABIN6939377 anti-FCGR3A antibody



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1 Image

Overview

Quantity:	100 µg
Target:	FCGR3A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FCGR3A antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Functional Studies (Func)

Product Details

Immunogen:	Human peripheral blood lymphocytes from a NK-leukemia patient.
Clone:	HuNK2
Isotype:	IgG2a kappa
Specificity:	It recognizes CD16 (FcγRIII), the low-affinity receptor for IgG with an apparent molecular weight of 50-80 kDa. Two similar genes represent CD16, CD16A (FcγRIIIA), which exists as a hetero-oligomeric polypeptide-anchored form in macrophages and NK cells and CD16B (FcγRIIIB), which exist as a monomeric GPI-anchored form in neutrophils. Furthermore, there are two known polymorphisms of CD16B, NA-1 and NA-2. Individuals homozygous for NA-2 show a lower phagocytic capacity compared with NA-1. CD16 binds IgG in the form of immune complexes and shows preferential binding of IgG1 and IgG3 isotypes and minimal binding of IgG2 and IgG4. Upon IgG binding, both CD16 isoforms initiate signal transduction cascades that lead to a variety of responses including antibody-dependent cell-mediated cytotoxicity (ADCC), phagocytosis, degranulation and proliferation.

Product Details

Purification: Purified by Protein A/G

Target Details

Target: FCGR3A

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

Molecular Weight: 50-80kDa

Gene ID: 2214

UniProt: [P08637](#)

Application Details

Application Notes: Positive Control: K-562 or U-937 cells. Lymph nodes and tonsils.
Known Application: Functional Studies (Order Ab without BSA & Azide), Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

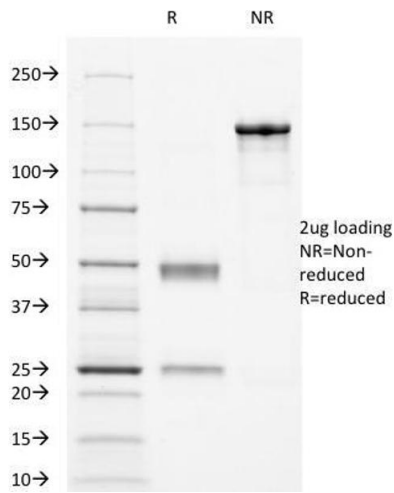
Preservative: Sodium azide

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

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD16 Mouse Monoclonal Antibody (HuNK2). Confirmation of Purity and Integrity of Antibody.