

A Reliable Research Partner in Life Science and Medicine

PE/Cyanine7 Anti-Human CD32 Antibody[IV-3]

Catalog Number: E-AB-F1075H

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human Mouse Host

Isotype Mouse IgG2b, ĸ

Clone No. IV-3

PE/Cyanine7 Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812H] Isotype Control

Conjugation

Conjugation Information PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm

(e.g., a 780/60 nm bandpass filter).

Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

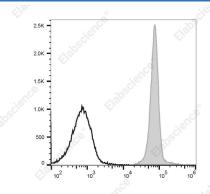
Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

Data



Human peripheral blood granulocytes are stained with PE/Cyanine7 Anti-Human CD32 Antibody[IV-3] (filled gray histogram) or PE/Cyanine7 Mouse IgG2b, κ Isotype Control (empty black histogram).

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

IGFR2;CD32;CDw32;FCG2;FCGR2B;Fc-gamma RII-b;Fc-gamma-RIIb;FcRII-b;lgG Fc **Alternate Names**

receptor II-b;Low affinity immunoglobulin gamma Fc region receptor II-b

Uniprot ID P31994

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Gene ID Background 2212

CD32 is a 40 kD polymorphic transmembrane glycoprotein also known as FcyRll and FCRII. It is an immunoglobulin superfamily member expressed on monocytes/macrophages, granulocytes, platelets and B cells. There are at least 6 isoforms of CD32 resulting from alternative mRNA splicing. CD32 mediates phagocytosis and oxidative burst in granulocytes, as well as platelet aggregation and immunomodulation. The extracellular domain of CD32 binds to polymeric and aggregated IgG and immune complexes, while the intracellular domain has been reported to associate with SHP-1 (B1 isoform).