

A Reliable Research Partner in Life Science and Medicine

PE/Elab Fluor® 594 Anti-Human CD32 Antibody[IV-3]

Catalog Number: E-AB-F1075P

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

Description

Reactivity Human Host Mouse

Isotype Mouse IgG2b, κ

Clone No. IV-3

Isotype Control

PE/Elab Fluor® 594 Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812P]

Conjugation PE/Elab Fluor® 594

Conjugation Information PE/Elab Fluor® 594 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 620 nm

(e.g., a 610/20 nm bandpass filter).

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

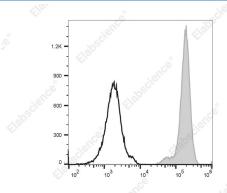
Applications Recommended usage

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 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L 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/Elab Fluor[®] 594 Anti-Human CD32 Antibody[IV-3] (filled gray histogram) or PE/Elab Fluor[®] 594 Mouse IgG2b, κ Isotype Control (empty black histogram).

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8 $^{\circ}\text{C}$ for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

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

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

Uniprot ID P31994

For Research Use Only

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web:www.elabscience.com
 Email:techsupport@elabscience.com

Elabscience Bionovation Inc.



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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).