



A Reliable Research Partner in Life Science and Medicine

PE/Elab Fluor® 594 Anti-Human IL-4 Antibody[MP4-25D2]

Catalog Number: E-AB-F1203P

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

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Reactivity Human Rat Host

Isotype Rat IgG1, ĸ MP4-25D2 Clone No.

Isotype Control PE/Elab Fluor[®] 594 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09822P]

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).

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.

Preparation & Storage

Keep as concentrated solution. Storage

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

Alternate Names B-cell IgG differentiation factor;B-cell growth factor 1;BSF-1;IGG1 induction factor;IL-4;

Interleukin-4

Uniprot ID P05112 Gene ID 3565

Background IL-4 is a pleiotropic cytokine that is produced by activated T cells, mast cells, and

> basophils. IL-4 elicits many different biological responses but has two dominant functions. The first is regulating differentiation of naïve CD4+ T cell to the Th2 type. Th2 cells produce IL-4, IL-5, IL-10, and IL-13, which tend to favor a humoral immune response while suppressing a cell-mediated immune response controlled by Th1

cells. The second is regulating IgE and IgG1 production by B cells.

Tel: 1-832-243-6086 Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Web:www.elabscience.com

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