

A Reliable Research Partner in Life Science and Medicine

Elab Bright™ Violet 421 Anti-Mouse CD86 Antibody[GL-1]

Catalog Number: E-AB-F0994Q2

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ

Clone No. GL-1

Elab Bright™ Violet 421 Rat IgG2a, κ Isotype Control[R35-95] [Product AN00822Q2] Isotype Control

Elab Bright™Violet 421 Conjugation

Conjugation Information Elab BrightTM Violet 421 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 421 nm (e.g., a 450/50 nm bandpass filter).

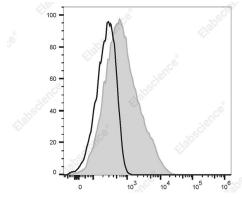
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

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



C57BL/6 murine splenocytes are stained with Elab BrightTM Violet 421 Anti-Mouse CD86 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

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

Alternate Names T-lymphocyte activation antigen CD86;Cd86;Activation B7-2 antigen;Early T-cell

costimulatory molecule 1;ETC-1

Uniprot ID P42082 Gene ID 12524

For Research Use Only

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Background

CD86 is an 80 kD immunoglobulin superfamily member also known as B7-2, B70, and Ly-58. CD86 is expressed on activated B and T cells, macrophages, dendritic cells, and astrocytes. CD86, along with CD80, is a ligand of CD28 and CD152 (CTLA-4). CD86 is expressed earlier in the immune response than CD80. CD86 has also been shown to be involved in immunoglobulin class-switching and triggering of NK cell-mediated cytotoxicity. CD86 binds to CD28 to transduce co-stimulatory signals for T cell activation, proliferation, and cytokine production. CD86 can also bind to CD152, also known as CTLA-4, to deliver an inhibitory signal to T cells.

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