

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 488 Anti-Mouse CD274/PD-L1 Antibody[10F.9G2]

Catalog Number: E-AB-F1132L

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

Description

Reactivity Mouse Host Rat

Isotype Rat IgG2b, κ **Clone No.** 10F.9G2

Isotype Control Elab Fluor[®] 488 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842L]

Conjugation Elab Fluor® 488

Conjugation Information Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using

an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).

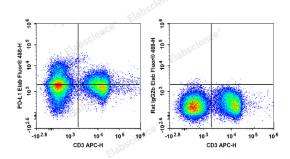
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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



C57BL/6 murine splenocytes are stained with APC Anti-

Mouse CD3 Antibody and Elab Fluor® 488 Anti-Mouse CD274/PD-L1 Antibody (Left). Splenocytes are stained with

APC Anti-Mouse CD3 Antibody and Elab Fluor[®] 488 Rat IgG2b, κ Isotype Control (Right).

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 lce bag

Antigen Information

Alternate Names B7-H1;PD-L1;Programmed cell death ligand 1;B7 homolog 1;B7-H;B7H1;PDL1;

PDCD1L1;PDCD1LG1

Uniprot ID Q9EP73

For Research Use Only

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Gene ID Background 60533

CD274, also known as B7-H1 or programmed death ligand 1 (PD-L1), is a 40 kD type I transmembrane protein and a member of the B7 family within the immunoglobulin receptor superfamily. It is expressed on T cells, B cells, NK cells, dendritic cells, IFN- γ activated endothelial cells, and monocytes. B7-H1 is one of the ligands of PD-1. The interaction of B7-H1 with PD-1 plays an important role in the inhibition of T cell responses. Other studies have shown that B7-H1 is able to costimulate T cell growth and cytokine production. CD274 is involved in costimulation essential for T cell proliferation and production of IL-10 and IFN- γ , in an IL-2-dependent and a PD-1-independent manner. Its interaction with PD-1 inhibits T cell proliferation and cytokine production.