

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 700 Anti-Human CD279/PD-1 Antibody[EH12.2H7]

Catalog Number: E-AB-F1229M1

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

Description

Reactivity Human Host Mouse

Isotype Mouse IgG1, κ
Clone No. EH12.2H7

Isotype Control Elab Fluor® 700 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M1]

Conjugation Elab Fluor® 700

Conjugation Information Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

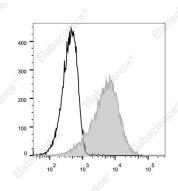
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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



Staining of the MOLT-4 cells with Elab Fluor® 700 Anti-Human CD279/PD-1 Antibody[EH12.2H7](filled gray

histogram) or Elab Fluor[®] 700 Mouse IgG1, κ Isotype Control(empty black histogram). Total viable cells were used for analysis.

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 PD1;PDCD1;Protein PD-1;hPD-1

 Uniprot ID
 Q15116

 Gene ID
 5133

For Research Use Only

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Elabscience Bionovation Inc.

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Background

Elabscience®

Programmed cell death 1 (PD-1), also known as CD279, is a 55 kD member of the immunoglobulin superfamily. CD279 contains the immunoreceptor tyrosine-based inhibitory motif (ITIM) in the cytoplasmic region and plays a key role in peripheral tolerance and autoimmune disease. CD279 is expressed predominantly on activated T cells, B cells, and myeloid cells. PD-L1 and PD-L2 are ligands of CD279 (PD-1) and are members of the B7 gene family. Evidence suggests overlapping functions for these two PD-1 ligands and their constitutive expression on some normal tissues and upregulation on activated antigen-presenting cells. Interaction of CD279 ligands results in inhibition of T cell proliferation and cytokine secretion.

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