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Elab Fluor® Red 780 Anti-Mouse CD279/PD-1 Antibody[29F.1A12]

Catalog Number: E-AB-F1131US

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ 29F.1A12 Clone No.

Isotype Control Elab Fluor[®] Red 780 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833S]

Conjugation Elab Fluor®Red 780

Conjugation Information Elab Fluor® Red 780 is designed to be excited by the Red (627-640 nm) laser and

detected using an optical filter centered near 770 nm (e.g., a 780/60 nm bandpass filter).

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

Applications Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. Please **FCM**

> check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the

> reagent to obtain optimal results [The recommended concentration is 0.1-1 μg/10⁶ cells

in 100 µL volume].

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 Programmed Death-1;PD-1

Uniprot ID Q02242 Gene ID 18566

Background CD279, also known as programmed death-1 (PD-1), is a 50-55 kD glycoprotein

> belonging to the CD28 family of the lg superfamily. PD-1 is expressed on activated splenic T and B cells and thymocytes. It is induced on activated myeloid cells as well. PD-1 is involved in lymphocyte clonal selection and peripheral tolerance through binding its ligands, B7-H1 (PD-L1) and B7-DC (PD-L2). It has been reported that PD-1 and PD-L1 interactions are critical to positive selection and play a role in shaping the T cell repertoire. PD-L1 negative costimulation is essential for prolonged survival of

intratesticular islet allografts.

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