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

E-AB-F1131US Catalog No. Reactivity Mouse Storage Store at 2~8°C, Avoid freeze / thaw cycles **Applications FCM** 

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

### **Antigen Information**

**Alternate Names** PD-1, Programmed Death-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 Ig 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.

#### **Product Details**

**Form** Liquid Concentration 0.5 mg/mL Size 25µg/100µg Clone No. 29F.1A12 Host Rat

Isotype Rat IgG2a, κ Reactivity Mouse **Application FCM** 

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

**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Shipping Biological ice pack at 4 °C Stability & Storage Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

For Research Use Only

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# **Fluorophore**

Conjugation: Elab Fluor® Red 780

Elab Fluor<sup>®</sup> 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).

## **Recommended usage**

Each lot of this antibody is quality control tested by flow cytometric analysis. Please 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  $0.1-1~\mu g/10^6$  cells in  $100~\mu L$  volume].

#### **Related Information**

- 1. Sample Preparation for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5594.html">https://www.elabscience.com/List-detail-5594.html</a>
- 2. Staining Cell Surface Targets for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5568.html">https://www.elabscience.com/List-detail-5568.html</a>
- 3. Flow Cytometry Troubleshooting Tips <a href="https://www.elabscience.com/List-detail-5593.html">https://www.elabscience.com/List-detail-5593.html</a>
- 4. How to select the appropriate detection channel through the spectrogram? <a href="https://www.elabscience.com/List-detail-459742.html">https://www.elabscience.com/List-detail-459742.html</a>

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