

A Reliable Research Partner in Life Science and Medicine

AF/LE Purified Anti-Mouse CD279/PD-1 Antibody[29F.1A12]

catalog number: E-AB-F11310

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

Description

Reactivity Mouse

Immunogen Recombinant Mouse CD279 protein

Host Rat

 Isotype
 Rat IgG2a, κ

 Clone
 29F.1A12

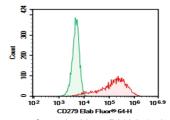
Purification >98%, Protein A/G purified

Buffer Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL

method.

Applications	Recommended Dilution
FCM	2 µg/mL(0.5×10 ⁶ -1×10 ⁶ cells)

Data



HEK293T cells transfected with pcDNA3.1 plasmid encoding Mouse CD279 gene were stained with 0.2 μ g AF/LE Purified Anti-Mouse CD279 Antibody[29F.1A12] (Right) and 0.2 μ g

Rat IgG2a, κ Isotype Control (Left), followed by Elab Fluor[®] 647-conjugated Goat Anti-Rat IgG Secondary Antibody.

Preparation & Storage

Storage Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze /

thaw cycles. This preparation contains no preservatives, thus it should be handled

under aseptic conditions.

Shipping Ice bag

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.

For Research Use Only

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