

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

Catalogue Code: AGEL1625

**Antibody Data**

<b>Product SKU:</b>	<b>AGEL1625</b>	<b>Clone:</b>	<b>29F.1A12</b>
<b>Applications:</b>	<b>FCM</b>		
<b>Reactivity:</b>	<b>Mouse</b>		

**Important Note:**

Centrifuge before opening to ensure complete recovery of vial contents.

**Product Information:**

<b>Alternate Names:</b>	PD-1; Programmed Death-1;
<b>Uniprot ID:</b>	Q02242
<b>Background:</b>	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.
<b>Form:</b>	Liquid
<b>Conjugation:</b>	Unconjugated
<b>Size:</b>	25µg, 100µg
<b>Host Species:</b>	Rat
<b>Isotype:</b>	Rat IgG2a, κ
<b>Isotype Control:</b>	Purified Rat IgG2a, κ Isotype Control[2A3] [Product AGEL1625]
<b>Storage Buffer:</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.
<b>Shipping:</b>	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. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

**Recommended Usage:** Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 0.25 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

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