Product Datasheet

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

Catalogue Code: AGEL1624

Antibody Data

Product SKU:	**AGEL1624**	**Clone:**	**29F.1A12**
Applications:	**FCM;Block;Neut**		
Reactivity:	**Mouse**		

Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

Product Information:

Alternate Names: PD-1; Programmed Death-1;

Uniprot ID: Q02242

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.

Form: Liquid

Conjugation: None (AF/LE)

Size: 50µg, 500µg, 1mg

Host Species: Rat

Isotype: Rat IgG2a, κ

Isotype Control: AF/LE Purified Rat IgG2a, κ Isotype Control[2A3] [Product AGEL1624]

Storage Buffer: 0.2 µm filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay.

Shipping: Biological ice pack at 4℃

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 ≤ 0.25 µg per 106 cells in 100 µL volume or 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.