Product Datasheet

Biotin Anti-Human CD274/PD-L1 Antibody [29E.2A3]
Catalogue Code: AGEL1647

Antibody Data

Product SKU:	**AGEL1647**	**Clone:**	**29E.2A3**
Applications:	**FCM**		
Reactivity:	**Human**		

Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

Product Information:

Alternate Names:	B7-H1; PD-L1;Programmed cell death ligand 1;B7 homolog 1;B7-H; B7H1; PDL1; PDCD1L1; PDCD1LG1;
Uniprot ID:	Q9NZQ7
Background:	CD274, also known as PD-L1 and B7-H1, is type I transmembrane glycoprotein that serves as a ligand for CD279 (PD-1). This interaction is believed to regulate the balance between the stimulatory and inhibitory signals needed for responses to microbes and maintenance of self-tolerance. CD274 is involved in the costimulation of T cell proliferation and IL-10 and IFN-γ production in an IL-2-dependent and CD279-independent manner. Conflicting data has shown that CD274 can inhibit T cell proliferation and cytokine production, and alternatively, enhance T cell activation. Other studies suggest that CD274 may signal bidirectionally, raising interesting implications for its expression in a wide variety of cell types, including T and B cells, antigen-presenting cells, and nonhematopoietic cells.
Form:	Liquid
Conjugation:	Biotin
Size:	25µg, 100µg
Host Species:	Mouse
Isotype:	Mouse IgG2b, κ
Isotype Control:	Biotin Mouse IgG2b, κ Isotype Control[MPC-11] [Product AGEL1647]
Storage Buffer:	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
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 ≤ 1.0 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.