

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

Catalog Number: E-AB-F1133B

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

Description

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| Reactivity | Human |
| Host | Mouse |
| Isotype | Mouse IgG2b, κ |
| Clone No. | 29E.2A3 |
| Isotype Control | Biotin Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09813B] |
| Conjugation | Biotin |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. |

Applications

Recommended usage

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| FCM | Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 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. |
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Preparation & Storage

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| Storage | Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Do not freeze. |
| Shipping | Ice bag |

Antigen Information

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| Alternate Names | B7H1PD-L1PDCD1L1PDCD1LG1PDL1;B7 homolog 1;B7-H;B7-H1;Programmed cell death ligand 1 |
| Uniprot ID | Q9NZQ7 |
| Gene ID | 29126 |
| 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. |

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