Product Datasheet

PE Anti-Mouse CD274/PD-L1 Antibody [10F.9G2]
Catalogue Code: AGEL1642

Antibody Data

Product SKU:	**AGEL1642**	**Clone:**	**10F.9G2**
Applications:	**FCM**		
Reactivity:	**Mouse**		

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: Q9EP73

Background: CD274, also known as B7-H1 or programmed death ligand 1 (PD-L1), is a 40 kD type I transmembrane protein and a member of the B7 family within the immunoglobulin receptor superfamily. It is expressed on T cells, B cells, NK cells, dendritic cells, IFN-γ activated endothelial cells, and monocytes. B7-H1 is one of the ligands of PD-1. The interaction of B7-H1 with PD-1 plays an important role in the inhibition of T cell responses. Other studies have shown that B7-H1 is able to costimulate T cell growth and cytokine production. CD274 is involved in costimulation essential for T cell proliferation and production of IL-10 and IFN-γ, in an IL-2-dependent and a PD-1-independent manner. Its interaction with PD-1 inhibits T cell proliferation and cytokine production.
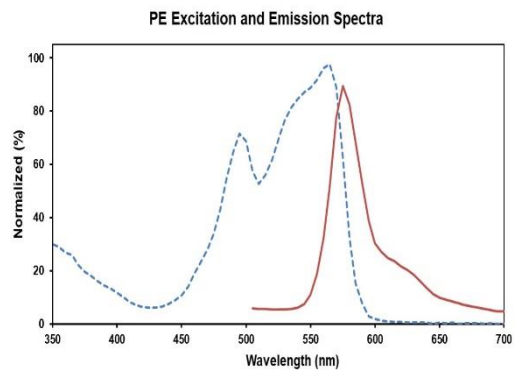
Form: Liquid

Conjugation: PE

Size: 25µg, 100µg

Host Species: Rat

Isotype: Rat IgG2b, κ

PE Excitation and Emission Spectra

Ex:495;565 nm; Em:575 nm

Isotype Control: PE Rat IgG2b, κ Isotype Control[LTF-2] [Product AGEL1642]

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. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/106 cells in 100 µL volume].