

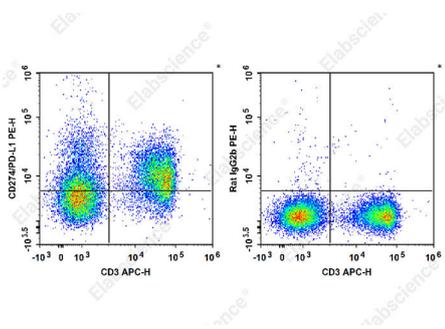
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<b>Product name:</b>	PE Anti-Mouse CD274/PD-L1 Antibody[10F.9G2]
<b>Cat number:</b>	MAB1132D
<b>Conjugate:</b>	PE
<b>Size:</b>	100Tests
<b>Clone:</b>	Monoclonal
<b>Concentration:</b>	5 µL/Test
<b>Host:</b>	Rat
<b>Isotype:</b>	Rat IgG2b, κ
<b>Reactivity:</b>	Mouse
<b>Applications:</b>	Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
<b>Form:</b>	Liquid
<b>Buffer:</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.
<b>Storage:</b>	This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
<b>Synonyms:</b>	PD-;B7h1;Pdl1;Pdc1l;Pdcd1l;Pdcd1lg1;A530045L16Rik;Cd274
<b>Background:</b>	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.

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Staining of C57BL/6 murine splenocytes with APC Anti-Mouse CD3 Antibody[17A2] and PE Anti-Mouse CD274/PD-L1 Antibody[10F.9G2] (left) or PE Rat IgG2b,  $\kappa$  Isotype Control (right). Total viable cells were used for analysis.

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