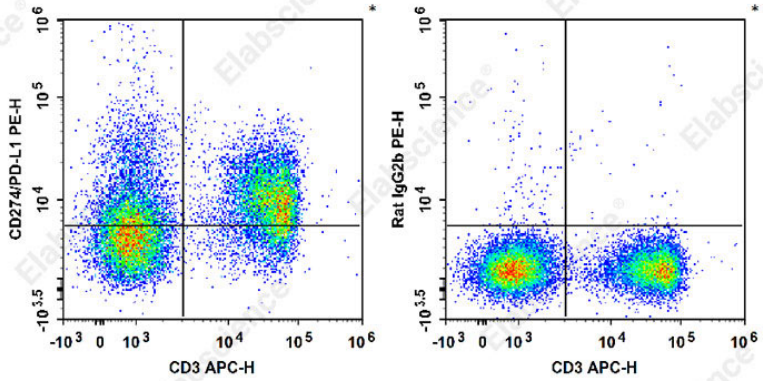
Product name:	PE Anti-Mouse CD274/PD-L1 Antibody[10F.9G2]
Cat number:	MAB1132D
Conjugate:	PE
Size:	100Tests
Clone:	Monoclonal
Concentration:	5 μL/Test
Host:	Rat
Isotype:	Rat IgG2b, κ
Reactivity:	Mouse
Applications:	Each lot of this antibody is quality control tested by flow cytometric analysis. The amount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



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, κ Isotype Control (right). Total viable cells were used for analysis.