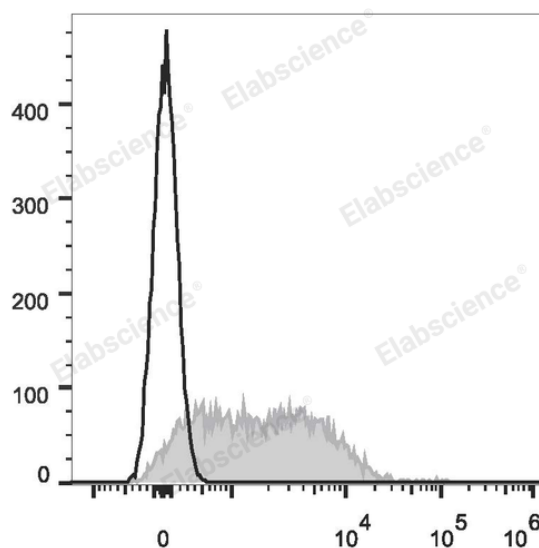


Product name:	APC Anti-Mouse CD279/PD-1 Antibody[29F.1A12]
Cat number:	MAB1131UE
Conjugate:	APC
Size:	100µg
Clone:	Monoclonal
Concentration:	0.2 mg/mL
Host:	Rat
Isotype:	Rat IgG2a, κ
Reactivity:	Mouse
Applications:	Each lot of this antibody is quality control tested by flow cytometric analysis. Please 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/10 ⁶ cells in 100 µL volume].
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:	CD279, also known as programmed death-1 (PD-1), is a 50-55 kD glycoprotein belonging to the CD28 family of the Ig superfamily. PD-1 is expressed on activated splenic T and B cells and thymocytes. It is induced on activated myeloid cells as well. PD-1 is involved in lymphocyte clonal selection and peripheral tolerance through binding its ligands, B7-H1 (PD-L1) and B7-DC (PD-L2). It has been reported that PD-1 and PD-L1 interactions are critical to positive selection and play a role in shaping the T cell repertoire. PD-L1 negative costimulation is essential for prolonged survival of intratesticular islet allografts.



Con-A stimulated C57BL/6 splenocytes (3 days) are stained with APC Anti-Mouse CD279/PD-1 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.