Genomeditech (Shanghai) Co.,Ltd.
Order: 021-68455258/50432826/50432825
Toll-free: 400 627 9288
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Anti-Canine_PD1 mIgG2a Antibody(4F12-E6)

Product information

GM-81957AB-10	10 μg
GM-81957AB-100	100 μg
GM-81957AB-1000	1 mg

Antibody Information

Species Reactivity	Canine
Clone	4F12-E6
Source/Isotype	Monoclonal human IgG1, κ
Application	Flow cytometry; Bioactivity-ELISA
Specificity	Detects PD1
Gene	PD1
Other Names	CD279, PD-1, PD1, SLEB2, hPD-1, hPD-l, hSLE1
Gene ID	5133(human);
Background	PD1 (Programmed Death 1) is a cell surface receptor protein belonging to the immune checkpoint molecule family. It plays a crucial role in regulating immune responses. PD1 inhibits the activation and function of T cells by binding to its ligands PD-L1 (Programmed Death-Ligand 1) or PD-L2, thereby aiding in maintaining immune tolerance and preventing excessive immune reactions. Research on PD1 is primarily focused in the field of immunotherapy, particularly in cancer treatment. Inhibiting the interaction of PD1 or PD-L1 can restore the anti-tumor activity of T cells and is widely used in the research and clinical treatment of immune checkpoint inhibitors.
Storage	Store at 2-8℃ short term (1-2 weeks).Store at ≤ -20℃ long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Version:3.1 Revision Date:12/25/2023

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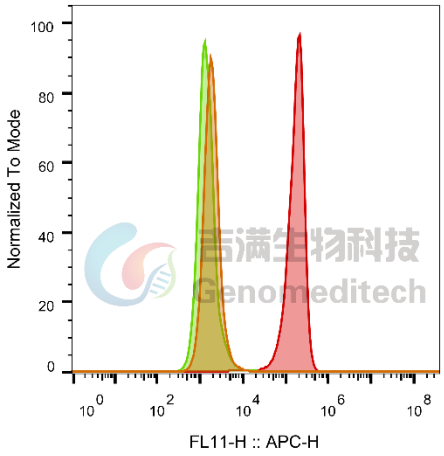
Data Examples

Flow cytometry

Canine_PD-1 HEK-293 Cell Line (Catalog # GM-C34392) was stained with Anti-Canine_PD1 mIgG2a Antibody(4F12-E6) (Catalog # GM-81957AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



	SampleID	Geometric Mean : FL11-H
	HEK-293 anti-PD-1+APC-2nd Ab	1912
	HEK-293 Canine_PD-1 M_IgG+APC-2nd Ab	1451
	HEK-293 Canine_PD-1 anti-PD-1+APC-2nd Ab	165595

Fig. FACS

Bioactivity-ELISA

Canine PD1 Protein; hFc Tag (Catalog # GM-85001RP) was immobilized at 5 μg/ml (100 μL/well). Increasing concentrations of Anti-Canine_PD1 mIgG2a Antibody(4F12-E6) (Catalog # GM-81957AB) were added.

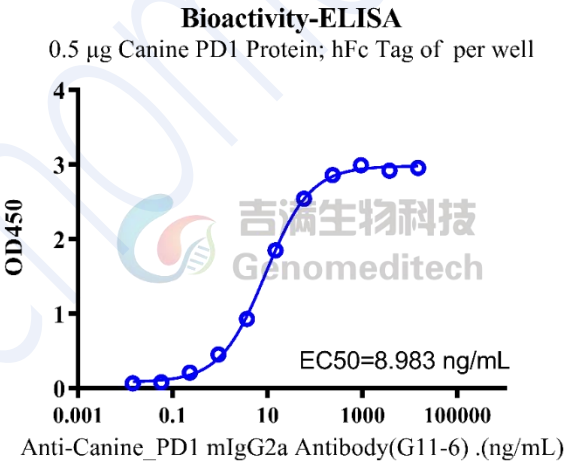


Fig. assay