



Biotin Labeled Mouse Anti-Human Programmed Cell Death-1 (PD-1) Monoclonal Antibody Datasheet

Product Name: Biotin Labeled mAb anti-Human PD-1.		Clone No.: 7G12	
Catalogue No.: MO-L40043TB		Quantity:	
Description:	Biotin labeled mouse monoclonal antibody (mAb) to human PD-1, or biotin labeled mouse mAb to human CD279.	Background:	PD-1, also called CD279, is a 288 amino acid cell surface protein that belongs to the immunoglobulin superfamily. The protein is expressed on T cells, B cells and macrophages. When PD-1 is joined with its ligand (CD274 or B7-H1), the immune cell's activation and effector function are attenuated. Research suggested that PD1 pathway is mainly involved with attenuation at periphery sites while the B7/CTLA-4 pathway is primarily involved with the attenuation of the activation of immune cells in secondary lymphoid organs. PD-1 pathway is implicated with self-tolerance, cancer's immune-evasion, autoimmunity, and <i>Listeria monocytogenes</i> infection.
Purification:	Protein G affinity purified		
Product Type:	Tracer, biotin labeled detection antibody in matched antibody pair.		
Target Protein:	Human PD-1.		
Immunogen:	Human cell expressed recombinant programmed cell death-1 (Pro21-Gln162 with a histidine tag at C-terminus). Accession No.: NP-005009.2		
Fusion Myeloma:	Sp2/0-Ag14		
Specificity:	The mAb is reactive to human cell expressed programmed cell death-1 (PD-1).	Application:	Sandwich ELISA: Biotin conjugated anti PD-1 clone 7G12, when used in combination with clone 7C9 (MO-L4003B) coated ELISA plate, can detect human cell expressed PD-1 in Sandwich ELISA application.
Species Reactivity:	Human, others not tested.		
Host / Isotype:	Mouse, IgG1 Kappa		
Formulation:	In 0.01M PBS pH 7.2, containing 0.5 % gelatin		
Storage:	Store at -20 °C, avoid freeze and thaw cycles.		
Research Area:	Immunosuppression		
			In addition to the immunogen, the antibody also reacts with another human cell expressed recombinant PD-1 (Leu25-Gln167 with an Fc tag at C-terminus). Accession No.: Q15116.

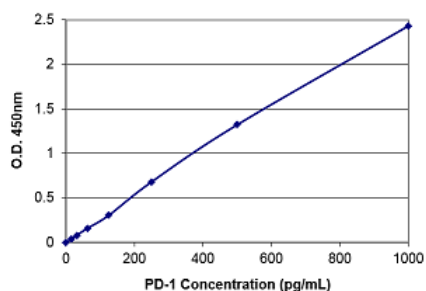
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References:

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