

Mouse anti-Human Programmed Cell Death-1 Monoclonal Antibody | anti-PD-1 antibody

mAb anti-Human Programmed Cell Death-1

CATALOG # AAA77960	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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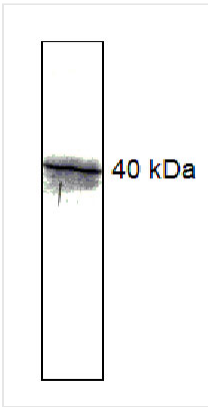
PRODUCT SYNONYMS

Programmed Cell Death-1; Monoclonal Antibody; mAb anti-Human Programmed Cell Death-1; Human Programmed Cell Death-1 (PD-1) / CD279; anti-PD-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1C4
Specificity	Reactive with recombinant human programmed cell death-1 (PD-1). Reactivity with natural PD-1 has not been evaluated.
Purity/Purification	Protein G Affinity Purified
Form/Format	Lyophilized from a solution in 0.01M PBS, pH 7.2
Sequence Length	288
Applicable Applications for anti-PD-1 antibody	WB (Western Blot), ELISA (Indirect ELISA)
Research Area	Immunosuppression
Fusion Myeloma	Sp2/0-Ag14
Immunogen	40kDa recombinant human programmed cell death-1 (PD-1)
Target Protein	Human programmed cell death-1 (PD-1).
Reconstitution	Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.
Preparation and Storage	Store at -20 degree C

IMAGES



WB (Western Blot)
Figure below shows 1ug/well of recombinant human PD-1 detected with 1ug/mL of mAb clone 1C4.

ADDITIONAL INFORMATION

Related Product Information for anti-PD-1 antibody	Description: Mouse monoclonal antibody (mAb) to human programmed cell death-1 (PD-1), or mouse mAb to human CD279. Background: Programmed Cell Death-1 (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 cancer's immune-evasion, autoimmunity, and Listeria monocytogenes infection.
Product Categories/Family for anti-PD-1 antibody	Monoclonal Antibodies to Leukocyte Surface Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	167857792
NCBI GeneID	5133
NCBI Accession #	NP_005009.2
NCBI GenBank Nucleotide #	NM_005018.2
NCBI Official Full Name	programmed cell death protein 1
NCBI Official Synonym Full Names	programmed cell death 1
NCBI Official Symbol	PDCD1
NCBI Official Synonym Symbols	PD1; PD-1; CD279; SLEB2; hPD-1; hPD-I; hSLE1
NCBI Protein Information	programmed cell death protein 1
UniProt Protein Name	Programmed cell death protein 1
UniProt Gene Name	PDCD1
UniProt Synonym Gene Names	PD1; Protein PD-1; hPD-1
UniProt Entry Name	PDCD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

