

Mouse anti-Human PDCD1/PD1/CD279 (Programmed Cell Death 1) Monoclonal Antibody | anti-PDCD1 antibody

PDCD1/PD1/CD279 (Programmed Cell Death 1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215128	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

PDCD1/PD1/CD279 (Programmed Cell Death 1); Monoclonal Antibody; CD279; hPD-1; hSLE1; PD1; PDCD1; Programmed Cell Death Protein 1; Protein PD-1; SLEB2; Systemic lupus erythematosus susceptibility 2; anti-PDCD1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	NAT105
Specificity	PDCD-1 (programmed cell death-1 protein), also designated CD279, is a type I transmembrane receptor and a member of the immunoglobulin gene superfamily. It is expressed on activated T-cells, B-cells, and myeloid cells. Anti-PDCD-1 is a marker of angioimmunoblastic lymphoma and suggests a unique cell of origin for this neoplasm. Unlike CD10 and BCL6, PDCD-1 is expressed by few B-cells, so anti-PDCD-1 may be a more specific and useful marker in angioimmunoblastic lymphoma. In addition, PDCD-1 expression provides evidence that angioimmunoblastic lymphoma is a neoplasm derived from germinal center-associated T-cells.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	288
Applicable Applications for anti-PDCD1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	TY cells. Tonsil.
Immunogen	TY cells (human T/NK cell Leukemia)
Cellular Localization	Cell Surface & Cytoplasmic
Hu-chromosome Location	2q37.3
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified PD1 (CD279) Monoclonal Antibody (NAT105). Confirmation of Integrity and Purity of Antibody



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with PD1 (CD279) Monoclonal Antibody (NAT105).

ADDITIONAL INFORMATION

References	Roncador, G., Verdes-Montenegro, J.F.G., Tedoldi, S., Paterson, J.C., Klapper, W., Ballabio, E., Maestre, L., Pileri, S., Hansmann, M.L, Piris, M.A., Mason, D.Y., Marafioti, T. Expression of two markers of germinal center T cells (SAP and PD-1) in angioimmunoblastic T-cell lymphoma. Haematologica. 2007 Aug;92(8):1059-66.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	145559515
NCBI GeneID	5133
UniProt Accession #	Q15116
Molecular Weight	55kDa
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

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pdcd1-pd1-cd279-programmed-cell-death-1-antibody-clone-nat105-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/215128>