

Mouse anti-Cynomolgus PD-1 Monoclonal Antibody | anti-PDCD1 antibody

Anti-PD-1 Antibody, Mouse Monoclonal

CATALOG # AAA259478	HOST Mouse	REACTIVITY Cynomolgus	APPLICATIONS Immunohistochemistry, ELISA
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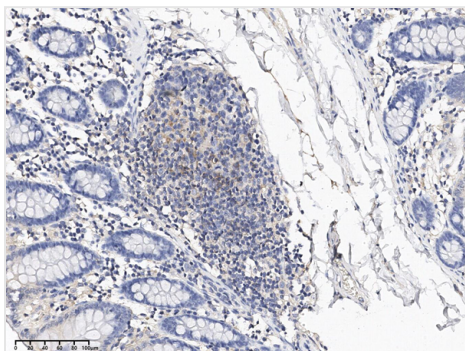
PRODUCT SYNONYMS

PD-1; Monoclonal Antibody; Anti-PD-1 Antibody; Mouse Monoclonal; PD-1 Antibody; Mouse MAb; programmed cell death 1; anti-PDCD1 antibody

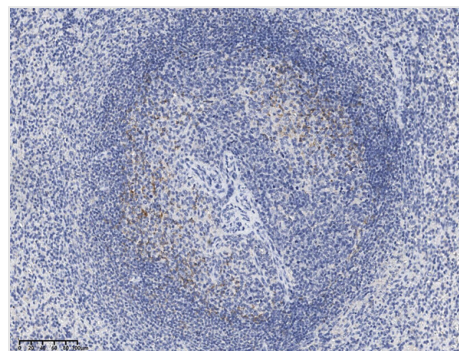
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Cynomolgus
Clonality	Monoclonal
Isotype	Mouse IgG2b
Clone Number	04
Specificity	Cynomolgus PD-1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PDCD1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Cynomolgus PD-1 Protein (NP_001271065.1; Met1-Gln167). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES


IHC (Immunohistochemistry)

Immunochemical staining of monkey PDCD1 in monkey colon with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.


IHC (Immunohistochemistry)

Immunochemical staining of monkey PDCD1 in monkey spleen with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PDCD1 antibody	Programmed cell death 1, also known as PDCD1, is a type I transmembrane glycoprotein, and is an immunoreceptor belonging to the CD28/CTLA-4 family negatively regulates antigen receptor signaling by recruiting protein tyrosine phosphatase, SHP-2 upon interacting with either of two ligands, PD-L1 or PD-L2. PD1 inhibits the T-cell proliferation and production of related cytokines including IL-1, IL-4, IL-10 and IFN-gamma by suppressing the activation and transduction of PI3K/AKT pathway. In addition, coligation of PD1 inhibits BCR-mediating signal by dephosphorylating key signal transducer. PD1 has been suggested to be involved in lymphocyte clonal selection and peripheral tolerance, and thus contributes to the prevention of autoimmune diseases. Furthermore, PD1 is shown to be a regulator of virus-specific CD8+ T cell survival in HIV infection. As a cell surface molecule, PDCD1 regulates the adaptive immune response. Engagement of PD-1 by its ligands PD-L1 or PD-L2 transduces a signal that inhibits T-cell proliferation, cytokine production, and cytolytic function.
Product Categories/Family for anti-PDCD1 antibody	ITIM/ITAM Immunoreceptors and Related Molecules Cancer Drug Targets
References	Jame. ES. e. al. (2005. PDCD1. . tissue-specifi. susceptibilit. locu. fo. inherite. inflammator. disorders. Gene. Immun. 6(5). 430-7.Okazak. T. e. al. (2007. PD-. an. PD-. ligands. fro. discover. t. clinica. application. In. Immunol. 19(7). 813-24.de. Ri. ML. e. al. (2008. PD-1/PD-L1. PD-1/PD-L2. an. othe. co-inhibitor. signalin. pathway. i. transplantation. Transp. Int. 21(11). 1015-28.Rile. JL.(2009. PD-. signalin. i. primar. . cells. Immuno. Rev. 229(1). 114-25.

NCBI AND UNIPROT INFORMATION

NCBI GI #	545688712
NCBI GeneID	102123659
NCBI Accession #	NP_001271065.1
NCBI GenBank Nucleotide #	NP_001271065.1
UniProt Accession #	BOLAJ3
Molecular Weight	Molecular Mass: 17.3kDa Actual Protein Molecular Mass: 30-50kDa
NCBI Official Full Name	programmed cell death protein 1
NCBI Official Symbol	PDCD1
NCBI Protein Information	programmed cell death protein 1
UniProt Protein Name	Programmed cell death 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/pd-1-antibody-clone-04-immunohistochemistry-elisa/259478>