Mouse PD-1 Monoclonal Antibody | anti-PDCD1 antibody

PD-1 Antibody [7A11B1]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39194	**Mouse**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

PD-1; Monoclonal Antibody; PD-1 Antibody [7A11B1]; PD-1 Antibody [7A11B1] : PD1; CD279; SLEB2; hPD-1; hPD-l; hSLE1; programmed cell death 1; anti-PDCD1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	7A11B1
Purity/Purification	PD-1 Monoclonal Antibody is immunoaffinity chromotography purified IgG.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	288
Applicable Applications for anti-PDCD1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	A ~150 amino acid recombinant protein from near the amino terminus of mouse PD-1.
Buffer	PD-1 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES

IF (Immunofluorescence)
Immunofluorescence of PD-1 in human spleen tissue with PD-1 antibody at 20 μg/ml.Green: PD-1 Antibody [7A11B1]Blue: DAPI staining

IHC (Immunohistochemistry)
Immunohistochemistry of PD-1 in human spleen tissue with PD-1 antibody at 25 μg/ml.

IF (Immunofluorescence)
Immunofluorescence of PD-1 in mouse brain tissue with PD-1 antibody at 20 μg/mL.

IHC (Immunohiostchemistry)
Immunohistochemistry of PD-1 in mouse brain tissue with PD-1 antibody at 2.5 μg/mL.

WB (Western Blot)
Western blot analysis of PD-1 in A-20 cell lysate with PD-1 antibody at 1 μg/mL in the (A) absence and (B) presence of blocking recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-PDCD1 antibody	PD-1 Monoclonal Antibody: Cell-mediated immune responses are initiated by T lymphocytes that are themselves stimulated by cognate peptides bound to MHC molecules on antig en-presenting cells (APC). T-cell activation is generally self-limited as activated T cells express receptors such as PD-1 (also known as PDCD-1) that mediate inhibitory signals from the APC. PD-1 can bind two different but related ligands, PDL-1 and PDL-2. Upon binding to either of these ligands, signals generated by PD-1 inhibit the activation of the immune response in the absence of "danger signals" such as LPS or other molecules associated with bacteria or other pathogens. Evidence for this is seen in PD1-null mice who exhibit hyperactivated immune systems and autoimmune diseases. Despite its predicted molecular weight, PD-1 often migrates at higher molecular weight in SDS-PAGE.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148707975
NCBI GeneID	18566
UniProt Accession #	Q15116; O00517; Q8IX89; Q02242
Molecular Weight	31,647 Da
NCBI Official Full Name	programmed cell death 1
NCBI Official Synonym Full Names	programmed cell death 1
NCBI Official Symbol	Pdcd1
NCBI Official Synonym Symbols	PD-1; Pdc1; Ly101
NCBI Protein Information	programmed cell death protein 1; mPD-1; protein PD-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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/pd-1-antibody-clone-7a11b1-immunofluorescence-immunohistochemistry-western-blot-elisa/39194