

PD-1 recombinant antibody

Anti-PD-1 [29F.1A12], Rat IgG2a, kappa

CATALOG # AAA72539	HOST Rat	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, Western Blot, Flow Cytometry, Functional Assay
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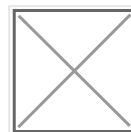
PRODUCT SYNONYMS

PD-1; Monoclonal Recombinant Antibody; Anti-PD-1 [29F.1A12]; Rat IgG2a; kappa; CD279; Programmed cell death protein 1; Protein PD-1; mPD-1; PD-1 recombinant antibody

PRODUCT SPECIFICATIONS

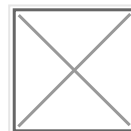
Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2a kappa
Clone Number	29F.1A12
Specificity	This antibody recognizes an epitope on mouse PD-1.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for PD-1 recombinant antibody	IHC (Immunohistochemistry), Blocking, WB (Western Blot), FCM/FACS (Flow Cytometry)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow-cytometry using the anti-PD-1 antibody 29F.1A12 (AAA72539). Mouse splenocytes were stained with an isotype control or the rabbit-chimeric version of 29F.1A12 (AAA72539, blue line) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using Alexa Fluor 488 conjugated goat anti-rabbit IgG and cells analysed on a FACSCanto flow-cytometer.



WB (Western Blot)

Western Blot using anti-PD-1 antibody 29F.1A12 (AAA72539). Mouse thymus (1 µg/ml) lysate (35 µg protein in RIPA buffer) was resolved on a 4-20% SDS-PAGE gel and blots were probed with the chimeric rabbit version of X77 (AAA72539) before detection using rabbit secondary antibody. A primary incubation of 1 h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for PD-1 recombinant antibody	The antibody was raised by immunizing rats with plasmid DNA containing PD-1.
References	Liang et al. Regulation of PD-1, PD-L1, and PD-L2 expression during normal and autoimmune response Eur. J. Immunol. 2003. 33: 2706-2716 N/A14515254

NCBI AND UNIPROT INFORMATION

NCBI GI #	400743
NCBI GeneID	18566
UniProt Accession #	Q02242
Molecular Weight	31,842 Da
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	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; mPD-1
UniProt Entry Name	PDCD1_MOUSE

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-recombinant-antibody-clone-29f-1a12-immunohistochemistry-western-blot-flow-cytometry-elisa/72539>