

PD-1 recombinant antibody

Anti-PD-1 [29F.1A12], Rabbit IgG, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72538	Rabbit	Mouse	Immunohistochemistry, Western Blot, Flow Cytometry, Functional Assay

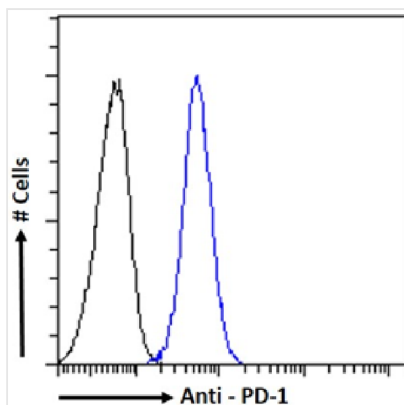
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG 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)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.
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 (AAA72538). Mouse splenocytes were stained with an isotype control or the rabbit-chimeric version of 29F.1A12 (AAA72538, 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 (AAA72538). 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 (AAA72538) before detection using a 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.