Product Datasheet

PD-1 Antibody (4F12) - BSA Free NBP1-04328

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 1

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NBP1-04328

PD-1 Antibody (4F12) - BSA Free

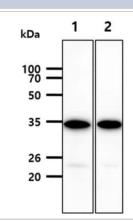
PD-1 Antibody (4F12) - BSA Free	
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4F12
Preservative	0.02% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein G purified
Buffer	PBS (pH 7.4), 10% Glycerol
Product Description	
Host	Mouse
Gene ID	5133
Gene Symbol	PDCD1
Species	Human, Canine
Reactivity Notes	Use in Canine reported in scientific literature (PMID:34923192).
Immunogen	Recombinant human PD-1 (21-167aa) purified from E. coli
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500-1:1000, Flow Cytometry 2-5ug , ELISA 1:100-1:2000,

Immunocytochemistry/ Immunofluorescence 1:100

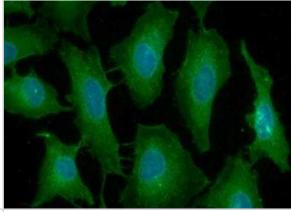


Images

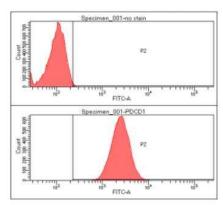
Western Blot: PD-1 Antibody (4F12) [NBP1-04328] - The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PDCD1 antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate, Lane 2.: Raji cell lysate



Immunocytochemistry/Immunofluorescence: PD-1 Antibody (4F12) [NBP1-04328] - HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PDCD1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



Flow Cytometry: PD-1 Antibody (4F12) [NBP1-04328] - Flow cytometry analysis of PDCD1 in HeLa cell line, staining at 2-5ug for 1x106cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate.



Publications

Pinard CJ, Hocker SE, Poon AC et al. Evaluation of PD-1 and PD-L1 expression in canine urothelial carcinoma cell lines Veterinary immunology and immunopathology 2022-01-01 [PMID: 34923192] (ICC/IF, WB, Canine)



Novus Biologicals USA

10730 E. Briarwood Avenue Centennial, CO 80112

USA

Phone: 303.730.1950 Toll Free: 1.888.506.6887

Fax: 303.730.1966

nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave Toronto, ON M8Z 4E6

Canada

Phone: 905.827.6400 Toll Free: 855.668.8722 Fax: 905.827.6402

canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB, United Kingdom Phone: (44) (0) 1235 529449

Free Phone: 0800 37 34 15 Fax: (44) (0) 1235 533420 info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com

Technical Support: nb-technical@bio-

techne.com

Orders: nb-customerservice@bio-techne.com

General: novus@novusbio.com

Products Related to NBP1-04328

HAF007 Goat anti-Mouse IgG Secondary Antibody [HRP]

NB720-B Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

NBP1-77276PEP PD-1 Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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