

# Product Datasheet

## PD-1 Antibody (J43) - BSA Free NBP1-43110-0.5mg

Unit Size: 0.5 mg

Store at 4C. Do not freeze.

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### Publications: 1

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**NBP1-43110-0.5mg**

PD-1 Antibody (J43) - BSA Free

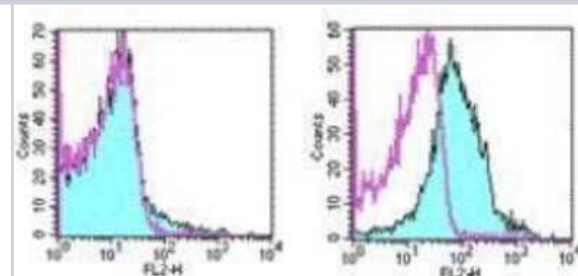
Product Information	
Unit Size	0.5 mg
Concentration	0.5 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	J43
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	PBS (pH 7.2)

Product Description	
Host	Armenian Hamster
Gene ID	5133
Gene Symbol	PDCD1
Species	Mouse
Immunogen	The immunogen for this antibody was PD1.

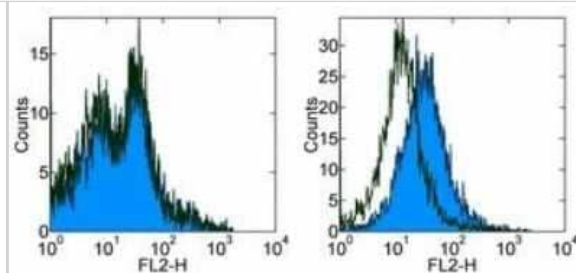
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1:10-1:1000, Immunohistochemistry, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	The J43 antibody has been tested by flow cytometric analysis of mouse Con-A activated spleen cell suspensions and mouse PD-1 transfected cells. This can be used at less than or equal to 0.5 ug per test. Cell number should be determined empirically but can range from $10^5$ to $10^8$ cells/test. IHC-F reactivity reported in scientific literature (PMID: 12847137 )

**Images**

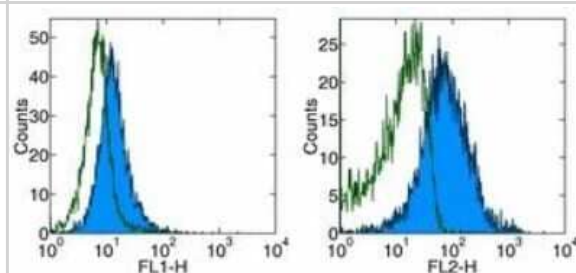
Flow Cytometry: PD-1 Antibody (J43) [NBP1-43110] - Analysis of PE conjugate of NBP1-43110. The J43 antibody has been tested by flow cytometric mouse Con-A activated spleen cell suspensions and mouse PD-1 transfected cells. This can be used at less than or equal to 0.5 ug per test. Cell number should be de



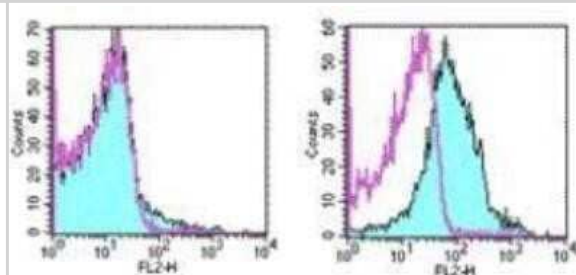
Flow Cytometry: PD-1 Antibody (J43) [NBP1-43110] - Staining of 3-day unstimulated (left) and 3-day ConA activated (right) BALB/c splenocytes with 0.25 ug of Hamster IgG Isotype Control Purified (open histogram) or 0.25 ug of Anti-Mouse PD-1 Purified (filled histogram) followed by Anti-Armenian Hamster Ig



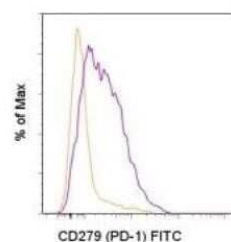
Flow Cytometry: PD-1 Antibody (J43) [NBP1-43110] - Analysis using the Biotin conjugate of NBP1-43110. Staining of ConA stimulated splenocytes with Anti-Mouse CD279 (PD-1) FITC (left) and PE (right). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.



Flow Cytometry: PD-1 Antibody (J43) [NBP1-43110] - Analysis using the Serum/Azide Free version of NBP1-43110. Staining of mouse Con-A activated spleen cell suspensions and mouse PD-1 transfected cells using PD1 PE conjugate. This can be used at less than or equal to 0.5 ug per test. Cell number should be



Flow Cytometry: PD-1 Antibody (J43) [NBP1-43110] - Analysis using the Serum/Azide Free version of NBP1-43110. Staining of unstimulated (orange histogram) or 3-day Anti-Mouse CD3 and Anti-Mouse CD28 Functional Grade Purified -stimulated (purple histogram) C57Bl/6 splenocytes with 0.5 ug of Anti-Mouse CD279 (PD-1) FITC. Total viable cells were used for analysis.



## Publications

Chen W, Wan X, Ukah TK et al. Antigen-Specific Immune Modulation Targets mTORC1 Function To Drive Chemokine Receptor-Mediated T Cell Tolerance. J. Immunol. 2016-11-01 [PMID: 27671108] (IP, Mouse)



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### Products Related to NBP1-43110-0.5mg

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NB120-5738	Goat anti-Armenian Hamster IgG (H+L) Secondary Antibody
NBP1-97046	Armenian Hamster IgG Isotype Control
NBP1-43700-0.1mg	PD-1 Antibody (J43) [PE]
NBP1-77276PEP	PD-1 Antibody Blocking Peptide

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### 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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