

# Product Datasheet

## PD-1 Antibody (J43) - Azide and BSA Free NBP2-34497

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NBP2-34497**

PD-1 Antibody (J43) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	J43
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS (pH 7.2)

**Product Description**

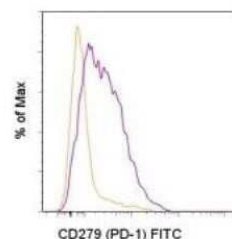
<b>Host</b>	Armenian Hamster
<b>Gene ID</b>	5133
<b>Gene Symbol</b>	PDCD1
<b>Species</b>	Mouse
<b>Immunogen</b>	The immunogen for this antibody was PD1.

**Product Application Details**

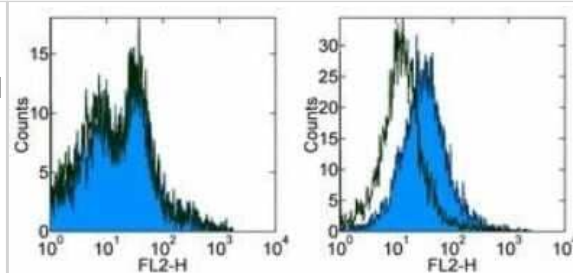
<b>Applications</b>	Flow Cytometry, Functional, Immunocytochemistry/ Immunofluorescence, CyTOF-ready
<b>Recommended Dilutions</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Functional, CyTOF-ready
<b>Application Notes</b>	The J43 antibody has been tested by flow cytometric analysis of mouse Con-A activated spleen cells and mouse PD-1 transfected cells. This can be used at less than or equal to 0.5 ug per test. A test is defined as the amount (ug) of antibody that will stain a cell sample in a final volume of 100 uL. Cell number should be determined empirically. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Images**

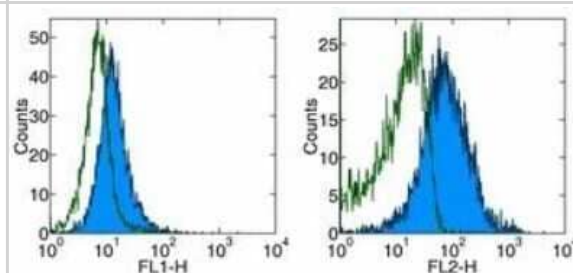
Immunocytochemistry/Immunofluorescence: PD-1 Antibody (J43) - Azide Free [NBP2-34497] - Analysis using the Serum/Azide Free version of NBP1-43110. Staining of unstimulated (orange histogram) or 3-day Anti-Mouse CD3 and Anti-Mouse CD28 Functional Grade Purified -stimulated (purple histogram) C57Bl/6 splenocytes with 0.5 ug of Anti-Mouse CD279 (PD-1) FITC. Total viable cells were used for analysis.



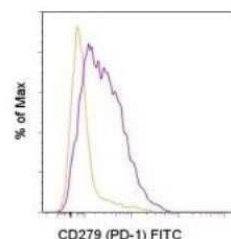
Flow Cytometry: PD-1 Antibody (J43) - Azide Free [NBP2-34497] - Staining of 3-day unstimulated (left) and 3-day ConA activated (right) BALB/c splenocytes with 0.25 ug of Hamster IgG Isotype Control Purified (open histogram) or 0.25 ug of Anti-Mouse PD-1 Purified (filled histogram) followed by Anti-Armenian Hamster Ig



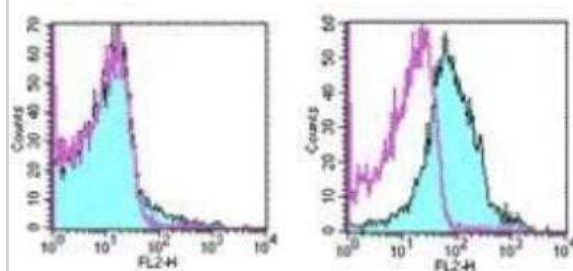
Flow Cytometry: PD-1 Antibody (J43) - Azide Free [NBP2-34497] - Staining of ConA stimulated splenocytes with Anti-Mouse CD279 (PD-1) FITC (left) and PE (right). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.



Flow Cytometry: PD-1 Antibody (J43) - Azide Free [NBP2-34497] - 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.



Flow Cytometry: PD-1 Antibody (J43) - Azide Free [NBP2-34497] - Analysis 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 determined empirically but can range from  $10^5$  to  $10^8$  cells





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### **Products Related to NBP2-34497**

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NB120-5738	Goat anti-Armenian Hamster IgG (H+L) Secondary Antibody
NBP1-97046	Armenian Hamster IgG Isotype Control
NBP1-77276PEP	PD-1 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]

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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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