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Datasheet for ABIN5526891 anti-PD-1 antibody

2 Images



## Overview

Quantity:	0.1 mg
Target:	PD-1 (PDCD1)
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PD-1 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

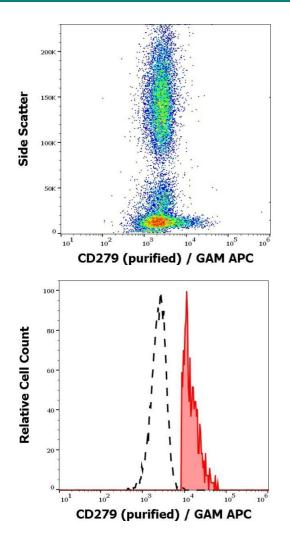
## Product Details

Immunogen:	recombinant human CD279
Clone:	EH12-2H7
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody EH12.2H7 recognizes an extracellular epitope of CD279 / PD- 1 (programmed cell death 1), a 55 kDa type I transmembrane protein expressed above all during T cell development, on activated T cells, activated B cells, and activated monocytes.
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

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Target Details	
Target:	PD-1 (PDCD1)
Alternative Name:	CD279 / PD-1 (PDCD1 Products)
Background:	Programmed cell death 1,CD279 / PD-1 (programmed cell death 1), a transmembrane protein of CD28/CTLA-4 family. It is expressed inducibly mainly on activated T, B, and myeloid cells and plays a role in maintaining peripheral self-tolerance. Binding to its ligands CD273 and CD274 is associated with inhibition of T cell proliferation and induction of their anergy. It is also expressed during thymic development. Some variants of CD279 are associated with susceptibility to systemic lupus erythematosus, type 1 diabetes, and rheumatoid arthritis.,PDCD1, PD1, SLEB2
Gene ID:	5133
UniProt:	Q15116
Pathways:	Cancer Immune Checkpoints
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

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### **Flow Cytometry**

**Image 1.** Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD279 (EH12.2H7) purified antibody (concentration in sample 6 µ g/mL) GAM APC.

#### **Flow Cytometry**

**Image 2.** Separation of human CD279 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD279 (EH12.2H7) purified antibody (concentration in sample 6 µ g/mL) GAM APC.

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