

Datasheet for ABIN6719831

**PD-1 ELISA Kit**[Go to Product page](#)**1** Image

## Overview

Quantity:	1 kit
Target:	PD-1 (PDCD1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CD279, CD279 antigen, hPD 1, hPD-1, PD 1, PD-1, PD1, PDCD 1, PDCD1, PDCD1_HUMAN, Programmed cell death 1, Programmed cell death protein 1, Protein PD 1, Protein PD-1, SLEB2</p> <p>Background: Programmed cell death protein 1, also called PD-1 or PDCD1 is a protein that in humans is encoded by the PDCD1 gene. This gene encodes a cell surface membrane protein of the immunoglobulin superfamily. By fluorescence in situ hybridization, the PDCD1 gene is mapped to 2q37.3. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3</p>

## Product Details

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antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for this gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that this gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases.

Gene Name: PDCD1

Production: Natural and recombinant human PD-1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: L25-Q167

## Target Details

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Target:	PD-1 (PDCD1)
Alternative Name:	PD-1 ( <a href="#">PDCD1 Products</a> )
Gene ID:	5133
NCBI Accession:	<a href="#">NP_005009</a>
UniProt:	<a href="#">Q15116</a>
Pathways:	<a href="#">Cancer Immune Checkpoints</a>

## Application Details

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Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human PD-1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates to each empty well. It is recommended that each human PD-1 standard solution and each sample be measured in duplicate.</p> <p>ELISA Dilution: 156pg/mL-10000pg/mL</p>
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Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

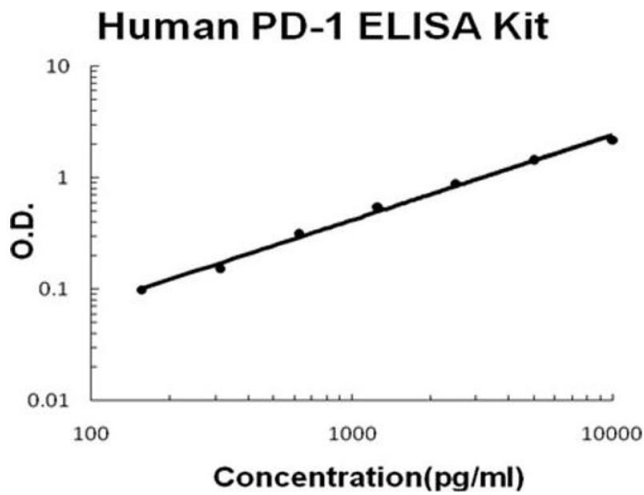
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Storage:	RT,4 °C,-20 °C
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## Handling

**Storage Comment:** Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

## Images



### ELISA

**Image 1.** Human PD-1 Accusignal ELISA Kit Human PD-1 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.