

Datasheet for ABIN6719831

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

## 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:	Human PD-1 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human PD-1. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

---

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

## Target Details

---

Target: PD-1 (PDCD1)

Alternative Name: PD-1 ([PDCD1 Products](#))

Background: 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

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 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 ID: 5133

NCBI Accession: [NP\\_005009](#)

UniProt: [Q15116](#)

Pathways: [Cancer Immune Checkpoints](#)

## Application Details

---

Application Notes: ELISA\_Dilution: 156pg/mL-10000pg/mL

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

## Application Details

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.

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

Sample Volume: 100  $\mu$ L

Plate: Pre-coated

Restrictions: For Research Use only

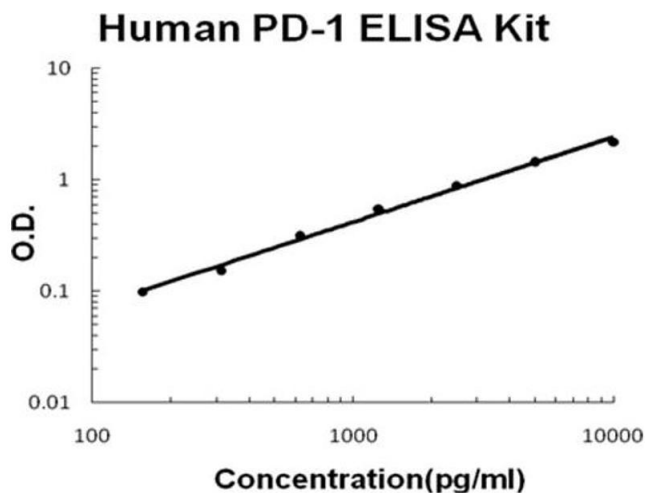
## Handling

Storage: 4 °C, -20 °C

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.

Expiry Date: 12 months

## 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.