

## Human PD-1 AccuSignal ELISA Kit - KOA0589

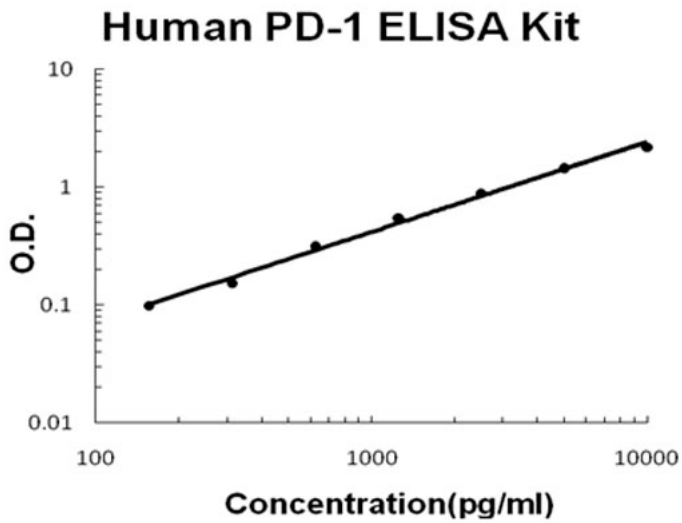
**Code:** KOA0589

**Size:** 1 Kit

**Product Description:** Human PD-1 AccuSignal ELISA Kit - KOA0589

**PhysicalState:**

<b>Label</b>	Unconjugated
<b>Gene Name</b>	PDCD1
<b>Species Reactivity</b>	Human
<b>Storage Condition</b>	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.
<b>Synonyms</b>	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
<b>Application Note</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
<b>Background</b>	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.
<b>Purity And Specificity</b>	Natural and recombinant human PD-1. There is no detectable cross-reactivity with other relevant proteins.
<b>ELISA</b>	156pg/ml-10000pg/ml
<b>Expiration</b>	See kit insert for complete instructions.
<b>Immunogen</b>	Expression system for standard: NSO; Immunogen sequence: L25-Q167
<b>Related Products</b>	
	MB-008      10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
	MB-012      10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
	MB-013      10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
	MB-075-1000      10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000
<b>Related Links</b>	
	UniProtKB - Q15116
	<a href="http://www.uniprot.org/uniprot/Q15116">http://www.uniprot.org/uniprot/Q15116</a>
	NCBI - <a href="http://www.ncbi.nlm.nih.gov/protein/NP_005009.2">http://www.ncbi.nlm.nih.gov/protein/NP_005009.2</a>
	GenID - 5133
	<a href="http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&amp;term=5133">http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&amp;term=5133</a>
	KOA0589 Protocol <a href="http://www.rockland-inc.com/uploadedfiles/Support/KOA0589-%20SZ.pdf">http://www.rockland-inc.com/uploadedfiles/Support/KOA0589-%20SZ.pdf</a>



#### Disclaimer

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