

Human PD-1 ELISA Kit | PDCD1 elisa kit

Human PD-1 PicoKine ELISA Kit

CATALOG #
AAA45860

REACTIVITY
Human

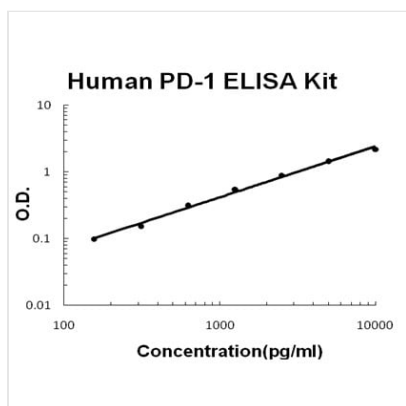
PRODUCT SYNONYMS

PD-1; Human PD-1 PicoKine ELISA Kit; Programmed cell death protein 1; programmed cell death 1; CD279; CD279 antigen; hPD 1; hPD-1; PD 1; PD1; PDCD 1; PDCD1; PDCD1_HUMAN; Programmed cell death 1; Protein PD 1; Protein PD-1; SLEB2; PDCD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human PD-1
Sequence Length	288
Samples	Cell culture supernates
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human PD-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for PDCD1 elisa kit	Principle of the assay: human PD-1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for PD-1 has been precoated onto 96-well plates. Standards(NSO, L25-Q167) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for PD-1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human PD-1 amount of sample captured in plate. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	145559515
NCBI GeneID	5133
UniProt Accession #	Q15116; O00517; Q8IX89
Molecular Weight	31,647 Da
NCBI Official Full Name	Programmed cell death protein 1
NCBI Official Synonym Full Names	programmed cell death 1
NCBI Official Symbol	PDCD1
NCBI Official Synonym Symbols	PD1; PD-1; CD279; SLEB2; hPD-1; hPD-I; hSLE1
NCBI Protein Information	programmed cell death protein 1; protein PD-1; systemic lupus erythematosus susceptibility 2
UniProt Protein Name	Programmed cell death protein 1
UniProt Gene Name	PDCD1
UniProt Synonym Gene Names	PD1; Protein PD-1; hPD-1
UniProt Entry Name	PDCD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pdcd1-human-elisa-kits/pd-1/45860>