

PD-1 Protein, Canine (HEK293, C-His)

Cat. No.:	HY-P73342A
Synonyms:	CD279; hPD-1; PDCD1; Programmed cell death 1; SLEB2
Species:	Canine
Source:	HEK293
Accession:	XP_543338.3 (L25-L169)
Gene ID:	486213
Molecular Weight:	Approximately 31-40 kDa due to the glycosylation.

PROPERTIES

AA Sequence	<p> L D S P D R P W S P L T F S P A Q L T V Q E G E N A T F T C S L A D I P D S F V L N W Y R L S P R N Q T D K L A A F Q E D R I E P G R D R R F R V M R L P N G R D F H M S I V A A R L N D S G I Y L C G A I Y L P P N T Q I N E S P R A E L S V T E R T L E P P T Q S P S P P P R L S G Q L Q G L </p>
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Canine PD-1 is present at 0.5 µg/mL can bind Recombinant Canine PD-L1. The ED ₅₀ for this effect is 5.43 µg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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