

PD-1 recombinant protein

Canine PD-1 Protein, hFc Tag

CATALOG #
AAA129506

HOST
HEK293

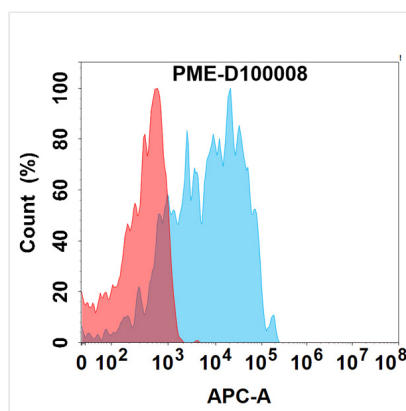
PRODUCT SYNONYMS

PD-1; Canine PD-1 Protein; hFc Tag; CD279; PD1; SLEB2; hPD-1; hPD-I; hSLE1; Recombinant Canine PD-1 protein with C-terminal human Fc tag; PD-1 recombinant protein

PRODUCT SPECIFICATIONS

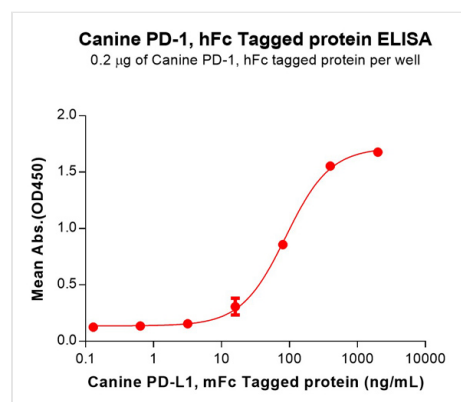
Host	HEK293
Purity/Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Sequence	PD-1(Leu25 -Gly168)hF c(Glu99-Al a330)
Tag	C-Human Fc
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

IMAGES



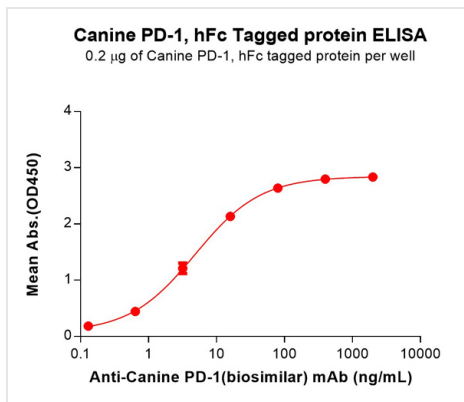
FCM/FACS (Flow Cytometry)

Figure 4. Flow cytometry analysis with 1ug/mL Canine PD-1 Protein, hFc Tag(AAA129506) on Expi293 cells transfected with Canine PD-L1 protein (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



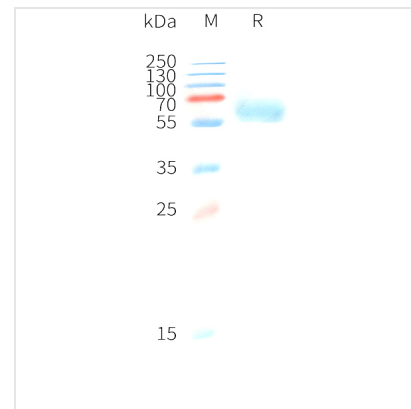
ELISA

Figure 3. ELISA plate pre-coated by 2 ug/mL (100 uL/well) Canine PD-1 Protein, hFc Tag (AAA129506) can bind Canine PD-L1 Protein, mFc Tag in a linear range of 16–400 ng/mL.



ELISA

Figure 2. ELISA plate pre-coated by 2 ug/mL (100 uL/well) Canine PD-1 Protein, hFc Tag (AAA129506) can bind Anti-Canine PD-1(INTERVET 4F12) mAb in a linear range of 0.64–80 ng/mL.



SDS-PAGE

Figure 1. Canine PD-1 Protein, hFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

Related Product Information for PD-1 recombinant protein	Programmed cell death protein 1 (PDCD1) is an immune-inhibitory receptor expressed in activated T cells; it is involved in the regulation of T-cell functions, including those of effector CD8+ T cells. In addition, this protein can also promote the differentiation of CD4+ T cells into T regulatory cells. PDCD1 is expressed in many types of tumors including melanomas, and has demonstrated to play a role in anti-tumor immunity. Moreover, this protein has been shown to be involved in safeguarding against autoimmunity, however, it can also contribute to the inhibition of effective anti-tumor and anti-microbial immunity. [provided by RefSeq, Aug 2020]
Product Categories/Family for PD-1 recombinant protein	ECD Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight	The protein has a predicted molecular mass of 42.3kDa after removal of the signal peptide. The apparent molecular mass of dPD-1-hFc is approximately 55-70kDa due to glycosylation.
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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/pd-1-recombinant-protein-hek293/129506>