

Product datasheet for **TA421357AM**

PD-1 Monoclonal Antibody (Intervet 4F12 Biosimilar)

Product data:

Product Type:	Primary Antibodies
Clone Name:	Intervet 4F12
Applications:	ELISA, FC
Recommended Dilution:	ELISA 1:5000–10000, Flow Cyt 1:100
Reactivity:	Canine
Host:	Chimeric Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Formulation:	50% Glycerol; PBS, pH 7.4; 0.1% BSA Preservative: 0.1% Procline 300
Reconstitution Method:	1. Before opening the tube cap, centrifuge the sample tube at 5000g for 3–5min at room temperature to ensure the lyophilized sample settles down at the bottom of the tube. 2. Calculate the volume for reconstitution (in μL) using the formula: $[\text{Quantity (mg)}/\text{Concentration (mg/mL)}] \times 1000$ 3. Dissolve the lyophilized protein sample in sterile water based on the calculated volume (μL) 4. After adding sterile water, cover the lid and mix by gently tapping the tube 5–10 times. Note: Do not vortex or vigorously pipette the sample.
Conjugation:	Biotin
Storage:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized antibodies are shipped at ambient temperature.
Stability:	12 months from date of despatch
Database Link:	NP_001301026.1
Background:	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.



Synonyms: PD1, PDCD1, CD279, SLEB2, hPD-1, hPD-I, hSLE1

Note: **Common Name:**
4F12

Product images:

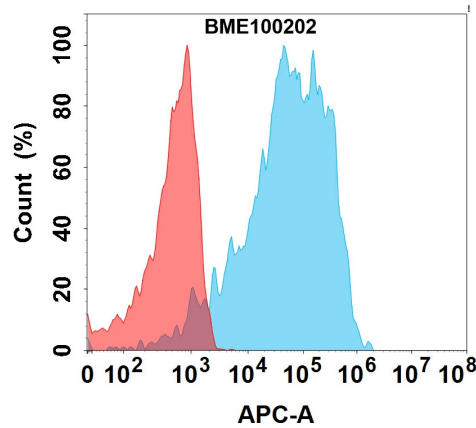


Figure 4. Flow cytometry analysis with 1µg/mL Anti-Canine PD-1(INTERVET 4F12) mAb ([TA421357]) on HEK293 cells transfected with Canine PD-1 protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

Anti-Canine PD-1(INTERVET 4F12) mAb ELISA
0.2 µg of Canine PD-1, His tagged protein per well

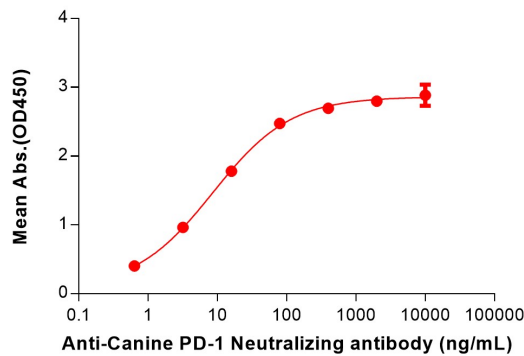


Figure 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Canine PD-1 Protein, His Tag (PME-D100005) can bind Anti-Canine PD-1(INTERVET 4F12) mAb ([TA421357]) in a linear range of 0.64–80 ng/mL.

Anti-Canine PD-1(INTERVET 4F12) mAb ELISA

0.2 µg of Canine PD-1, hFc tagged protein per well

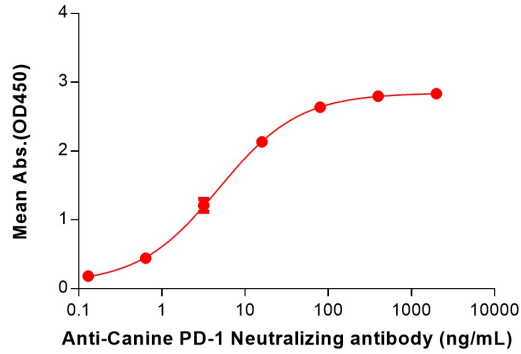


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Canine PD-1 Protein, hFc Tag (PME-D100008) can bind Anti-Canine PD-1(INTERVET 4F12) mAb ([TA421357]) in a linear range of 0.64–80 ng/mL.

Anti-Canine PD-1(INTERVET 4F12) mAb ELISA

0.2 µg of Canine PD-1, mFc tagged protein per well

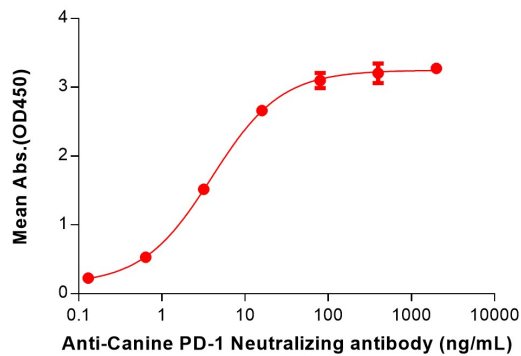


Figure 3. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Canine PD-1 Protein, mFc Tag (PME-D100006) can bind Anti-Canine PD-1(INTERVET 4F12) mAb ([TA421357]) in a linear range of 0.64–80 ng/mL.