9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

12-9650: Anti-Canine PD-1 antibody(4E1), Rabbit mAb

Clonality :	Monoclonal
Clone Name :	4E1
Application :	ELISA
Gene :	Canine PD-1
Uniprot ID :	NP_001301026.1
Alternative Name :	PD1; PDCD1; CD279; SLEB2; hPD-1; hPD-l; hSLE1
Isotype :	Rabbit IgG

Description

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 Info

Amount :	10µg / 100 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	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.
Storage condition :	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 proteins are shipped at ambient temperature.

Application Note

ELISA 1/5000-10000

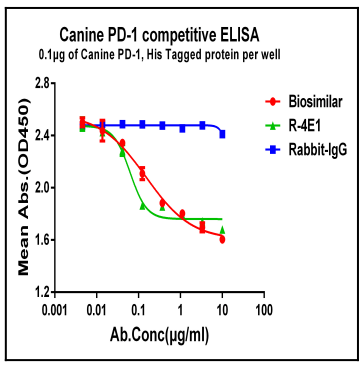


Figure 1. Elisa plates were pre-coated with His Tagged Canine PD-1 protein (0.1µg/per well). 0.2µg of Canine PDL1, hFc Tagged protein and serial dilutions of anti-Canine PD-1 monoclonal antibody were added, and Goat anti Human IgG(Horseradish Peroxidase Conjugate) was used as the secondary antibody. From the above data, the biosimilar(Red) and clone 4E1(Green) have good competitive activity, and Rabbit IgG(Blue) was used as the Isotype Control.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.