PRODUCT INFORMATION

Target	Canine_PD1
Description	Monoclonal Cell Line Derived from 293T Cells, Engineered for Stable Expression of canine PD1 Using Lentiviral Technology
Host Cells	293T
Uniprot ID	NP_001301026.1
Applications	FACS Data
Growth media	DMEM+10% FBS+1% P.S+Gln+2 ug/mL Puromycin
Package	5E6 Cells/mL
Suggested Control	SKU: BME100202
Warranty and Disclaimer	1. Please inspect cells upon receipt and report any issues promptly. 2. We offer one-time replacements for issues reported within a week of receipt. 3. User-induced issues are not eligible for free replacements. 4. We do not accept liability for damages resulting from cell use, storage, or loss. 5. Feedback received more than one month after receipt will not be processed.
Storage&Shipping	Cells are shipped using dry ice and require liquid nitrogen storage for long term preservation.
Synonyms	CD279, PD-1, PD1, SLEB2, hPD-1, hPD-l, hSLE1
Background	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]
Usage	For research use only.

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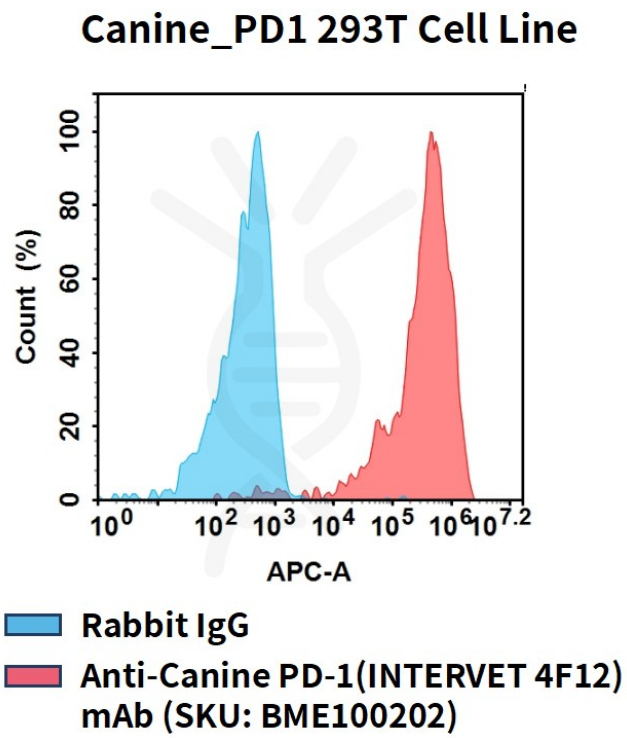


Figure 1. Flow cytometry analysis of Canine_PD1 overexpression using Canine_PD1 293T Cell Line (Cat. No. CEL100104) and Anti-Canine PD-1(INTERVET 4F12) mAb (Cat. No. BME100202)

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