

Active Recombinant Porcine PDCD1 Chimera Protein

Cat. No. PDCD1-02P Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Porcine PDCD1 Chimera Protein was expressed in CHO cell
Species	Porcine
Source	CHO
Description	Programmed Death-1 receptor (PD-1), also known as CD279, is type I transmembrane protein belonging to the CD28 family of immune regulatory receptors. Other members of this family include CD28, CTLA-4, ICOS, and BTLA.
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Porcine PD-1 Fc Chimera is immobilized at 1 µg/mL (100 µL/well), Recombinant Human PD-L1/B7-H1 Fc Chimera that produces a 50% optimal binding response is found to be 0.03-0.3 µg/mL.
Molecular Mass	43 kDa
N-terminal Sequence Analysis	Leu25
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Reconstitution	Reconstitute at 500 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

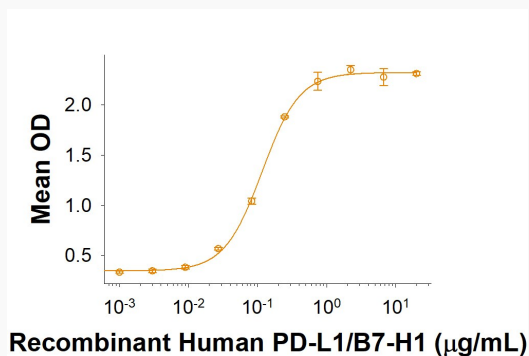
Gene Name	PDCD1 programmed cell death 1 [<i>Sus scrofa</i> (pig)]
Official Symbol	PDCD1
Synonyms	CD279 antigen; CD279; hPD-1; PD1; PD-1; PD1hPD-I; PDCD1; programmed cell death 1; programmed cell death protein 1; Protein PD-1; SLEB2
Gene ID	100533201
mRNA Refseq	NM_001204379.1
Protein Refseq	NP_001191308.1

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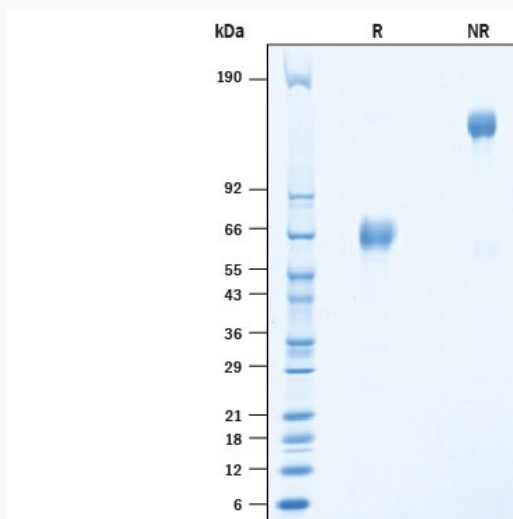
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Binding Activity



When Recombinant Porcine PD-1 Fc Chimera is immobilized at 1 μg/mL (100 μL/well), Recombinant Human PD-L1/B7-H1 Fc Chimera that produces a 50% optimal binding response is found to be 0.03-0.3 μg/mL

SDS-PAGE



2 μg/lane of Recombinant Porcine PD-1 Fc Chimera Protein was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized by Coomassie® Blue staining, showing bands at 60-75 kDa and 120-150 kDa, respectively.