AVISCERA BIOSCIENCE

Human Soluble Programmed Cell Death 1 (PD1/PCD1) Rec.

Alternative name: Soluble CD279

Product Information	
Code	00808-02-50
Name	Soluble PD1 (Human), Rec.
Lot No.	
Size	50 μg
Species	Human
Sequence	Leu25-Gln167
Protein ID	NP_005009
Gene ID	NM_005018
MW	38-42 KD (glycosylated) in SDS-PAGE gel under reduce condition
Tag	His tag on C terminus
Source	Human cells
Purity	>98% in SDS-PAGE gel
Formulation	PBS lyophilized form without preservatives
Carry	Free
Storage	-70° C
Reconstitution	PBS, 100 μl
Application	Cell Biology

ORDER INFORMATION
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Description

A DNA sequence encoding the extracellular domain of human PD1 (Leu^{25}-Gln^{167}) with polyhistidine tag on the C-Terminus was expressed in human HEK293 cells. The recombinant human Soluble PD1 has a calculated MW of 18 kDa. Due to glycosylation, the human soluble PD1 migrates as an approximately 38-42 kDa protein in SDS-PAGE under reduce condition.

Formulation

Lyophilized 50 μg human soluble PD1 in 100 μl of 0.2 μm filtered solution in PBS. Carry free.

Endotoxin Levels

< 1.0 EU per 1 μg of the protein by the LAL method.

Bioactivity

The bioactivity was measured to binding human PDL1 on a functional ELISA.

The coated human soluble PD1 at 200 ng/well enables to bind the human PDL1 Fc with a linear range 30 ~ 1000 ng/ml.

Reconstitution & Storage

Add 100 μl PBS to the vial to prepare a working stock solution at 500 μg/mL. Allow to set at least 30 minutes at 4° C, mix well.

Store lyophilized protein at -20° C or -70° C. Lyophilized protein is stable for up to 6 months from date of receipt at - 20° C to -70° C. Upon reconstitution, this protein can be stored at -20° C for a few weeks or at -70° C in a manual defrost freezer for long term storage (six months). Aliquot reconstituted protein to avoid repeated freezing / thawing cycles.

Sequence: Human PD1, extracellular domain (Leu25-Gln167)