



Product Datasheet

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Recombinant Mouse ICOS Fc-Fusion Protein

Cat No: Pr00156-1.9

Product Summary

Description: Recombinant mouse PDL2 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

Protein: Mouse PDL2

Fc domain: Mouse IgG1

Structure / Form: Disulfide-linked homodimer

Species: Mouse

Construct Design Note(s): The extracellular domain of PDL2 has been fused to the Fc domain of mouse IgG1.

Host: HEK293

UniProt Accession Number: Q9WUL5

Alternative Description: PDCD1LG2; B7DC; Btdc; CD273; PD-L2; PDCD1L2; PDL2; bA574F11.2; programmed cell death 1 ligand 2

Published Application(s): mPD-L2-mouse IgG1 in vitro decreased the proliferation of pre-activated T cells but not resting T cells, as well as decreasing IL-4, IL-5 and IL-13 production but in an in vivo asthma model increased total cell number and cytokine secretion by cells from draining lymph nodes (Oflazoglu et al, 2004). A similar PD-L2-Fc of human IgG1, combined with a Neu/Her2-vaccine, eradicated tumours in mouse models at a significantly higher rate than the vaccine alone (Kojima et al, 2014). PDL2-Fc has been used for specific inhibition of PD1 in flow cytometry and ELISA (Steidl et al, 2011).

Tested Applications(s): ELISA; SDS-PAGE

Activity: PDL2 is a ligand for PD1, which inhibits T-cell proliferation by blocking cell cycle progression and cytokine production.

Reacts with antibody: anti-PDL2 [TY25] (Ab00883)

Product Form

Purification: Purified by affinity chromatography using Protein A.

Supplied in: PBS

Shipping: The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals

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Recombinant Mouse PDL2 Fc-Fusion Protein

Storage recommendation: Recommended storage at 4°C for up to 1 month. For longer term storage store at -20°C or -80°C in appropriate sized aliquots.

Fc-Fusion Sequence (monomer)

ALFTVTAPKEVYTVDVGSSVSLECFDRRECTELEGRASLQKVENDTSLQSERATLLEEQLPLGKALFHIPSVQVRDS
GQYRCLVICGAAWDYKYLTVKVKASYMRIDTRILEVPGTGEVQLTCQARGYPLAEVSWQNVSPANTSHIRTPEGLYQ
VTSVLRRLKPQPSRNFSCMFWNAHMKELTSIIDPLSRMEPKVPRTGGGGSVPRDQGCKPCICTVPEVSSVFIFPPKPK
DVLITLTPKVTQVVDISKDDPEVQFSWFVDDVEVHTAQTTPREEQINSTFRSVSELPIMHQDWLNGKEFKCRVNSAA
FPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFFPEDITVEWQWNGQPAENYKNTQPIMDTDGSYFV
YSKLVNQKSNWEAGNTFTCSVLHEGLHNHHTKSLSHSPGKHHHHHH

Underlined amino acids sequence include a G4S linker and 6xHis epitope tag, respectively.

Calculated Molecular weight (dimer): 98848 Da

Extinction coefficient: 122880 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).

Representative Analysis and Activity Data

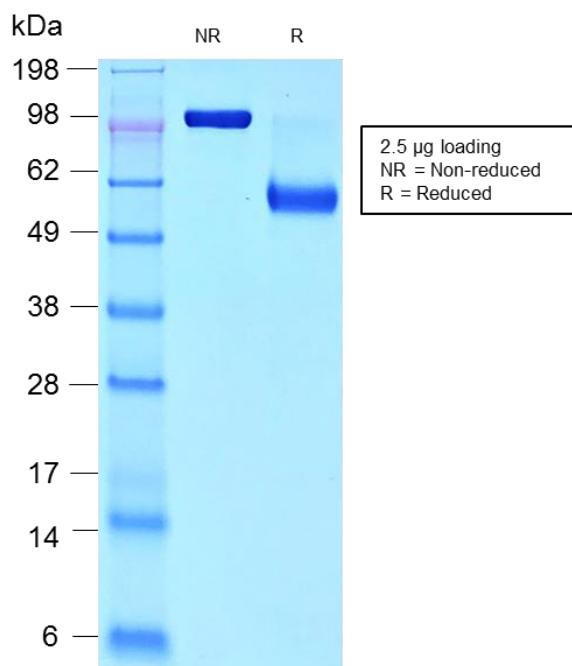
Lot no: T1727B15

Concentration: 1 mg/ml

Endotoxin level: <1 EU/mg as determined by LAL chromogenic endotoxin assay

SDS PAGE Purity: >98%

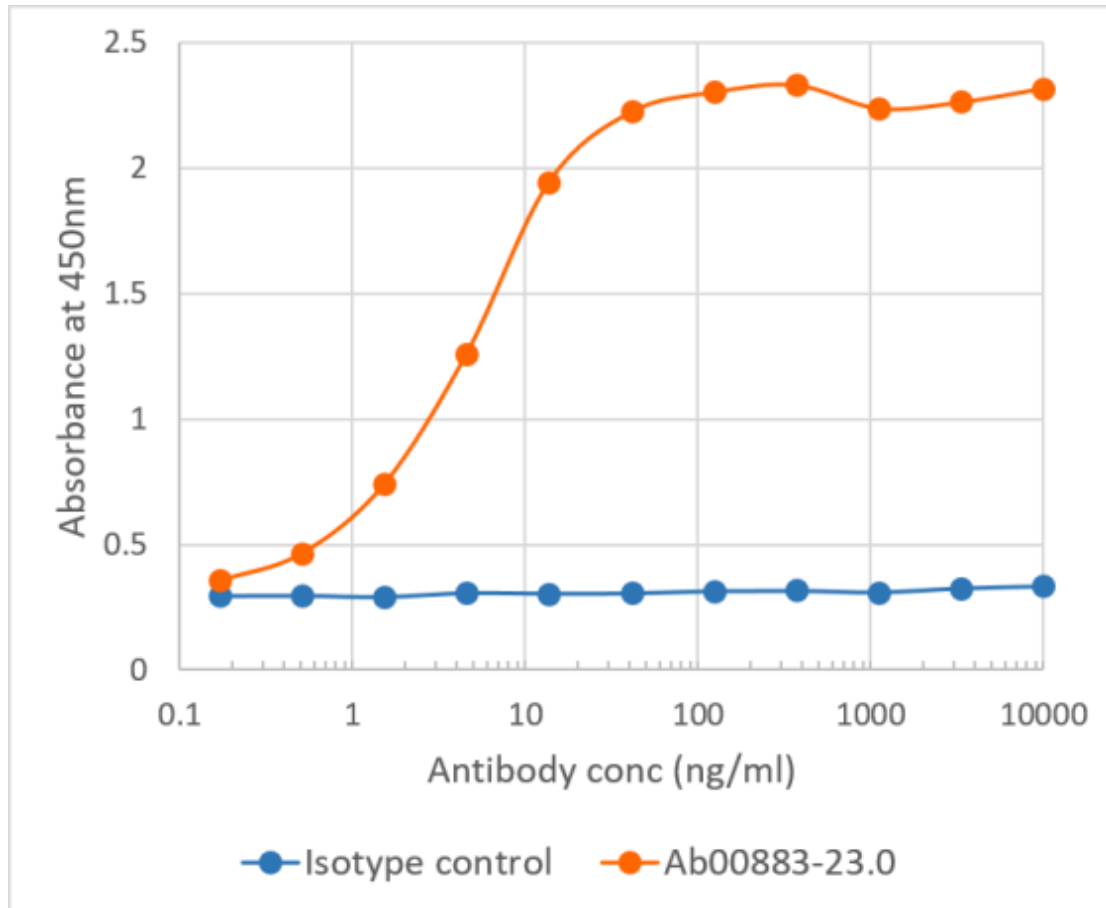
SDS-PAGE gel image:



Pr00156-1.9 under non-reducing and reducing (DTT) conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

ELISA:

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Binding curve of anti-PDL2 antibody TY25 (Ab00883-23.0) to mouse PDL2-Fc fusion protein. ELISA Plate coated with mouse PDL2-Fc fusion protein (Pr00156-1.9) at a concentration of 5 μ g/ml. A 3-fold serial dilution from 10,000 to 0.1 ng/ml was performed using Ab00883-23.0. For detection, a 1:4000 dilution of HRP-labelled goat anti-rabbit antibody (Bio-Rad) was used.

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