

For Research Use Only

PD-L1/CD274 Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP00601-4

Capture Antibody Information

Catalog Number:
83600-7-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
240721D4

Reactivity:
human

GenBank:
BC074984

Conjugate:
Unconjugated

Full name:
CD274 molecule

Gene ID:
29126

Detection Antibody Information

Catalog Number:
83600-6-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
240721D2

Reactivity:
human

GenBank:
BC074984

Conjugate:
Unconjugated

Full name:
CD274 molecule

Gene ID:
29126

Applications

Tested Applications:
Sandwich ELISA

Range:
3.9-250 pg/mL (Sandwich ELISA)

Recommended Dilutions:
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

Product Information

MP00601-4 targets PD-L1/CD274 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: PD-L1/CD274 Recombinant antibody, PBS Only (Capture) 83600-7-PBS (240721D4). 100 μ g. Concentration 1 mg/ml.

Detection antibody: PD-L1/CD274 Recombinant antibody, PBS Only (Capture/Detector) 83600-6-PBS (240721D2). 100 μ g. Concentration 1 mg/ml.

Alternative PD-L1/CD274 matched antibody pairs: MP00601-1, MP00601-2, MP00601-3, MP50090-1

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:

PBS only

For technical support and original validation data for this product please contact:

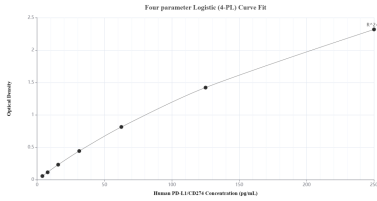
T: 4006900926

E: Proteintech-CN@ptglab.com

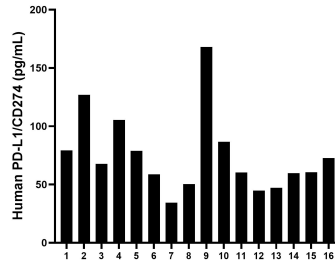
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

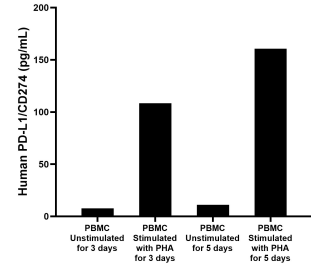
Selected Validation Data



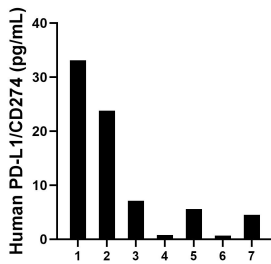
Sandwich ELISA standard curve of MP00601-4, Human PD-L1/CD274 Recombinant Matched Antibody Pair - PBS only. 83600-7-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1114. 83600-6-PBS was HRP conjugated as the detection antibody. Range: 3.9-250 pg/mL



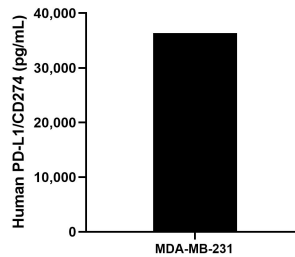
Serum of sixteen individual healthy human donors was measured. The human PD-L1/CD274 concentration of detected samples was determined to be 75.1 pg/mL with a range of 34.4-168.1 pg/mL



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 μ g/mL PHA for 3 days or 5 days. For the PBMC supernatant cultured for 3 days, the mean PD-L1/CD274 concentration was determined to be 7.7 pg/mL in unstimulated PBMC supernatant, 108.4 pg/mL in PHA stimulated PBMC supernatant. For the PBMC supernatant cultured for 5 days, the mean PD-L1/CD274 concentration was determined to be 11.0 pg/mL in unstimulated



Urine of seven individual healthy human donors was measured. The PD-L1/CD274 concentration of detected samples was determined to be 10.8 pg/mL with a range of 0.7 - 33.1 pg/mL



The mean PD-L1/CD274 concentration was determined to be 36,368.3 pg/mL in MDA-MB-231 cell extract based on a 2.3 mg/mL extract load.