

Product datasheet for AM33411PU-N

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

PD1 (PDCD1) Mouse Monoclonal Antibody [Clone ID: 1C4]

Product data:

Product Type: Primary Antibodies

Clone Name: 1C4

Applications: ELISA, WB

Recommended Dilution: Indirect ELISA.

Western Blot.

Reactivity: Human
Host: Mouse
Isotype: IgG1

Clonality: Monoclonal

Immunogen: 40kDa recombinant Human Programmed Cell Death-1 (PD-1).

Specificity: Reactive with recombinant Human Programmed Cell Death-1 (PD-1).

Reactivity with natural PD-1 has not been evaluated.

Formulation: 0.01M PBS, pH 7.2 without preservatives

State: Aff - Purified

State: Lyophilized purified IgG fraction

Reconstitution Method: Restore with Double distillated water to adjust the final concentration to 1.0 mg/ml.

Purification: Affinity Chromatography on Protein G

Conjugation: Unconjugated

Storage: Store lyophilized at 2-8°C for 6 months or at -20°C long term.

After reconstitution store the antibody undiluted at 2-8°C for one month

or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: programmed cell death 1

Database Link: Entrez Gene 5133 Human

Q15116



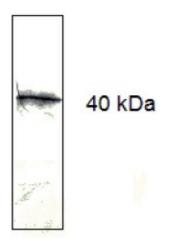


Background:

Programmed Cell Death-1 (PD-1), also called CD279, is a 288 amino acid cell surface protein that belongs to the immunoglobulin superfamily. The protein is expressed on T cells, B cells and macrophages. When PD-1 is joined with its ligand (CD274 or B7-H1), the immune cell's activation and effector function are attenuated. Research suggested that PD1 pathway is mainly involved with attenuation at periphery sites while the B7/CTLA-4 pathway is primarily involved with the attenuation of the activation of immune cells in secondary lymphoid organs. PD-1 pathway is implicated with cancer's immune-evasion, autoimmunity, and *Listeria monocytogenes* infection.

Synonyms: Protein PD-1, hPD-1, PDCD1

Product images:



Western blot analysis showing 1 ug/well of recombinant Human PD-1 detected with 1 ug/ml of CD279 / PD1 Antibody (Clone 7C9).