

Product datasheet for **AM03126PU-N**

PD1 (PDCD1) (21-167) Mouse Monoclonal Antibody [Clone ID: 4F12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4F12
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot: 1/500 (starting dilution) - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human PDCD1 (21-167aa) purified from <i>E. coli</i>
Specificity:	This antibody detects PDCD1.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. 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



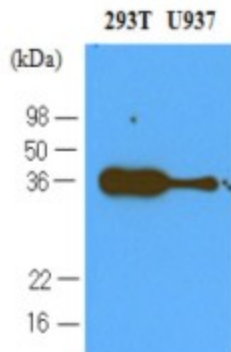
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Background:

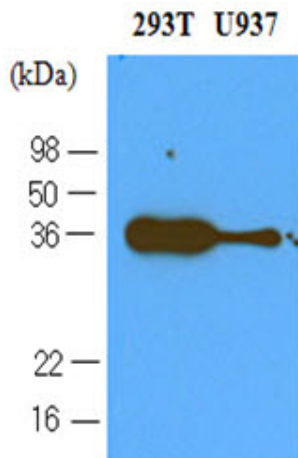
PDCD1 is an immunoreceptor that belongs to the immunoglobulin (Ig) superfamily, also known as Programmed Cell Death 1. It is expressed on activated T cell, B cells, myeloid cells and a subset of thymocytes. PDCD1 interacts with expressed PDL1 and PDL2 to inhibit the proliferation and activation of T cells and B cells. Both PDL1 and PDL2 are expressed in a wide variety of normal tissues including heart, lung, placenta, spleen and kidney. PDCD1 might be involved in the regulation of peripheral tolerance and may help prevent autoimmune diseases.

Synonyms:

Protein PD-1, hPD-1, PDCD1

Product images:

Western blot analysis Cell lysates of 293T and U937 (40ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PDCD1 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



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