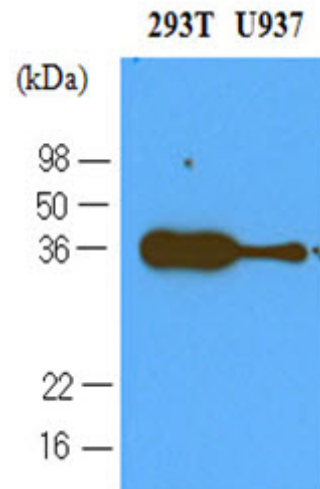


**AM03126PU-N****Monoclonal Antibody to CD279 / PD1 (21-167) - Purified**

<b>Alternate names:</b>	PDCD1, Programmed cell death protein 1, Protein PD-1, hPD-1
<b>Quantity:</b>	0.1 ml
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">Q15116</a>
<b>NCBI:</b>	<a href="#">NP_005009.2</a>
<b>GeneID:</b>	<a href="#">5133</a>
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Recommended Isotype Controls:</b>	SM12P, AM03110PU-N
<b>Clone:</b>	4F12
<b>Immunogen:</b>	Recombinant human PDCD1 (21-167aa) purified from <i>E. coli</i>
<b>Format:</b>	<b>State:</b> Liquid Ig fraction <b>Purification:</b> Protein-G affinity chromatography <b>Buffer System:</b> PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol
<b>Applications:</b>	ELISA. Western blot: 1/500 (starting dilution) - 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects PDCD1. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Freeman GJ, et al., (2000) J Exp Med. 192(7):1027-34. Latchman Y, et al., (2001) Nat Immunol. 2(3):261-8. Nishimura H, Honjo T., (2001) Trends Immunol. 22(5):265-8. Okazaki T, et al., (2001) Proc Natl Acad Sci USA. 98 (24):13866-71.

**Pictures:**

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.



**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.

