

### 32-6196: Mouse Anti Human Programmed Cell Death 1(Clone:P4F12AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	P4F12AT.
<b>Application :</b>	ELISA,WB
<b>Gene :</b>	CD274
<b>Gene ID :</b>	29126
<b>Uniprot ID :</b>	Q9NZQ7
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Programmed cell death protein 1,Protein PD-1,hPD-1,CD279,PDCD1,PD1,SLEB2.
<b>Isotype :</b>	Mouse IgG2b heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human PDCD1 mAb, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human PDCD1 amino acids 21-167 purified from E. coli.

#### Description

PDCD1 is a cell surface membrane protein of the immunoglobulin superfamily. PDCD1 is expressed in pro-B-cells and is thought to have a role in their differentiation. In mice, expression of PDCD1 gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for the PDCD1 gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that the PDCD1 gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases.

#### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	PDCD1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

#### Application Note

PDCD1 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 1,000. Recommended starting dilution is 1:500.