

## Product datasheet for **TA807847AM**

### PD1 (PDCD1) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI15B5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI15B5
Applications:	FC
Recommended Dilution:	FLOW 1:50
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PDCD1 (NP_005009) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	programmed cell death 1
Database Link:	<a href="#">NP_005009</a> <a href="#">Entrez Gene 5133 Human</a> <a href="#">Q15116</a>
Background:	This gene encodes a cell surface membrane protein of the immunoglobulin superfamily. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for this gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that this gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases. [provided by RefSeq, Jul 2008]



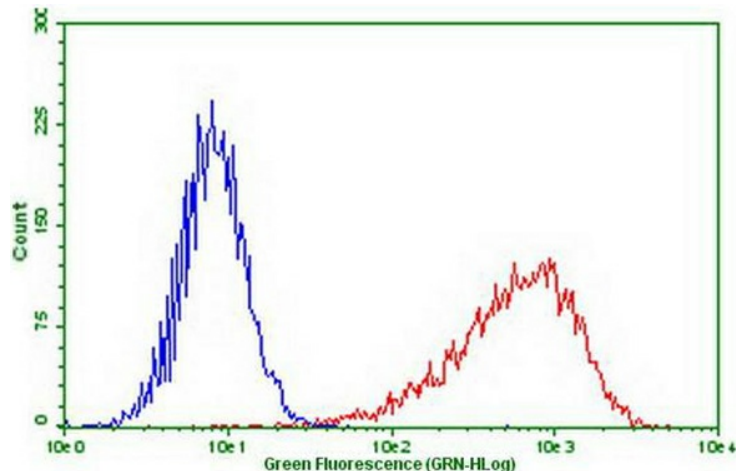
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**Synonyms:** CD279; hPD-1; hPD-I; hSLE1; PD-1; PD1; SLEB2

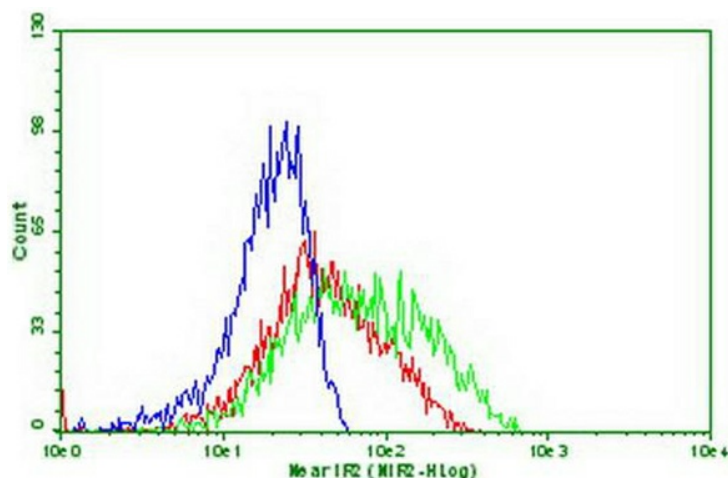
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Cell adhesion molecules (CAMs), T cell receptor signaling pathway

### Product images:



Flow cytometric Analysis of stable expression PD1 cells using anti-PDCD1 antibody ([TA807847]) (Red) compared to a nonspecific negative control antibody (Blue) (1:50).



Flow cytometric Analysis of stable expression PDL1 ([RC213071]) cells using anti-PDCD1 antibody ([TA807847]) (blue) or 0.3ug/ml PD1-Fc fusion protein ([TP700199]) (green) or both (red), and detected by anti-Fc (human) IgG-FITC (1:50).