

Product datasheet for **AM01313PU-N**

Pdcd1Ig2 Rat Monoclonal Antibody [Clone ID: TY25]

Product data:

Product Type:	Primary Antibodies
Clone Name:	TY25
Applications:	FC, IHC, IP
Recommended Dilution:	Immunoprecipitation. Immunohistochemistry on frozen sections. Flow Cytometry: 1/100 - 1/200; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	B7-DC transfected RAW264.7 cells. Lymph node cells from immunised SD rats were fused with the cells of the P3U1 myeloma cell line.
Specificity:	This antibody recognises mouse CD273, a 42kD member of the B7 family, otherwise known as B7-dendritic cell (B7-DC), or programmed death ligand-2 (PD-L2).
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month 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 ligand 2
Database Link:	Entrez Gene 58205 Mouse Q9WUL5



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Background:

The expression of CD273 is restricted to a subpopulation of dendritic cells (DCs), and DCs and macrophages that have been stimulated with interferon gamma, GM-CSF or IL-4. CD273 has been identified as a ligand for PD-1(CD279), along with another B7 family member B7-H1 (CD279).

Studies suggest that both CD273 and B7-H1 co-stimulate or inhibit T cell proliferation and cytokine production. Antibodies produced by clone TY25 are reported to block the binding of CD273 (B7-DC) to its receptor.

Synonyms:

PD-L2, PD-1-ligand 2, PDCD1 ligand 2, PDCD1LG2, B7DC, PDCD1L2