

## Product datasheet for **AM01313FC-N**

### **Pdcd1Ig2 Rat Monoclonal Antibody [Clone ID: TY25]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	TY25
Applications:	FC
Recommended Dilution:	<b>Flow cytometry</b> (Neat - 1/5): use 10 µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100 µl.
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 clone TY25 recognizes Mouse CD273. This clone TY25 is reported to block the binding of CD273 (B7-DC) to it's receptor (Matsumoto et al. 2004). Removal of sodium azide is recommended prior to use in functional assays.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide and 1% BSA Label: FITC State: Liquid purified IgG fraction Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
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. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	programmed cell death 1 ligand 2
Database Link:	<a href="#">Entrez Gene 58205 Mouse Q9WUL5</a>



[View online »](#)

**Background:**

CD273 is a member of the B7 family, otherwise known as B7-dendritic cell (B7-DC), or programmed death ligand-2 (PD-L2).

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.

**Synonyms:**

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