

ARG22562 anti-CD273 / PD-L2 antibody [TY25] (FITC)

Package: 50 µg
Store at: 4°C

Summary

Product Description	FITC-conjugated Rat Monoclonal antibody [TY25] recognizes CD273 / PD-L2. This antibody recognizes mouse CD273, also known as B7-dendritic cell (B7-DC), or programmed death ligand-2 (PD-L2). CD273 is a 247 amino acid, ~42 kDa member of the B7 family. 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 (CD274). Studies suggest that both CD273 and B7-H1 co-stimulate or inhibit T cell proliferation and cytokine production. Rat anti Mouse CD273 antibody, clone TY25 is reported to block the binding of CD273 (B7-DC) to its receptor (Matsumoto et al. 2004). Removal of sodium azide is recommended prior to use in functional assays, the use of EQU003 is recommended for this purpose.
Tested Reactivity	Ms
Tested Application	FACS
Host	Rat
Clonality	Monoclonal
Clone	TY25
Isotype	IgG2a
Target Name	CD273 / PD-L2
Species	Mouse
Immunogen	B7-DC transfected RAW264.7 cells.
Conjugation	FITC
Alternate Names	B7DC; bA574F11.2; PDL2; CD antigen CD273; PD-L2; Programmed cell death 1 ligand 2; CD273; Btdc; PDCD1L2; Programmed death ligand 2; Butyrophilin B7-DC; B7-DC; PD-1 ligand 2; PDCD1 ligand 2

Application Instructions

Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>FACS</td><td>Neat - 1:5</td></tr> </table>	Application	Dilution	FACS	Neat - 1:5
Application	Dilution				
FACS	Neat - 1:5				
Application Note	FACS: Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.09% Sodium azide and 1% BSA.
Preservative	0.09% Sodium azide

Stabilizer	1% BSA
Concentration	0.1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	Pdcd1lg2
Gene Full Name	programmed cell death 1 ligand 2
Function	Involved in the costimulatory signal, essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production (By similarity). [UniProt]
Highlight	<p>Related products:</p> <p>PD-L2 antibodies; PD-L2 ELISA Kits; Anti-Rat IgG secondary antibodies;</p> <p>Related news:</p> <p>The best solution for PD-1/PD-L1 research</p>
Calculated Mw	31 kDa