



Rat Anti-Mouse PD-L2 (B7-DC) Monoclonal antibody, clone TY25 (CABT-L4293)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The TY25 monoclonal antibody reacts with mouse PD-L2 (programmed death ligand 2) also known as B7-DC or CD273. PD-L2 is a 25 kDa type I transmembrane protein that belongs to the B7 family of the Ig superfamily.
Target	Mouse PD-L2 (B7-DC)
Immunogen	Mouse PD-L2 transfected cell line
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	TY25
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo PD-L2 blockade, in vitro PD-L2 blockade, IHC-F, FC
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg

Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The TY25 monoclonal antibody reacts with mouse PD-L2 (programmed death ligand 2) also known as B7-DC or CD273. PD-L2 is a 25 kDa type I transmembrane protein that belongs to the B7 family of the Ig superfamily. PD-L2 is expressed on monocytes, macrophages and subsets of dendritic cells. PD-L2 binds to its receptor, PD-1, found on CD4 and CD8 thymocytes as well as activated T and B lymphocytes and myeloid cells. Engagement of PD-L2 with PD-1 leads to inhibition of TCR-mediated T cell proliferation and cytokine production. The TY25 antibody has been reported to block PD-1 mediated interactions in vivo.
Keywords	PDCD1LG2;programmed cell death 1 ligand 2;B7DC;Btdc;PDL2;CD273;PD-L2;PDCD1L2;bA574F11.2;B7-DC;PD-1 ligand 2;PD-1-ligand 2;PDCD1 ligand 2;butyrophilin B7-DC;programmed death ligand 2;B7 dendritic cell molecule;

GENE INFORMATION

Official Symbol	programmed cell death 1 ligand 2
Synonyms	PDCD1LG2; programmed cell death 1 ligand 2; B7DC; Btdc; PDL2; CD273; PD-L2; PDCD1L2; bA574F11.2; B7-DC; PD-1 ligand 2; PD-1-ligand 2; PDCD1 ligand 2; butyrophilin B7-DC; programmed death ligand 2; B7 dendritic cell molecule;
References	Jaworska, K., et al. (2015). "Both PD-1 ligands protect the kidney from ischemia reperfusion injury." J Immunol 194(1): 325-333. PubMed;