

## Anti-PD-L2 [TY25] VivopureX 25 mg Ab00883-2.3-VXX

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2a, [Fc Silent™](#), Kappa

**Clone Number:** TY25

**Alternative Name(s) of Target:** CD273; B7-DC; PDL2; B7DC; programmed death ligand 2; CD273; Pcdl1lg2

**UniProt Accession Number of Target Protein:** Q9WUL5

**Published Application(s):** IP, WB, Block, FC

**Published Species Reactivity:** Mouse

**Immunogen:** This antibody was raised by immunising SD rats with B7-DC-transfected RAW264.7 cells and selected on B7-DC-transfected NRK.

**Specificity:** This antibody binds to mouse PD-L2 and competes with PD-1 binding. It does not cross-react with PD-L1.

**Application Notes:** This antibody has been used to detect murine PD-L2 by flow cytometry on stimulated dendritic cells as well as various mouse tumour cells. It also detects immunoprecipitates mouse PD-L2 and can be used to detect it by non-reducing Western Blot. TY25 inhibits PD-L2 binding to PD-1 transfected cells (Ansari et al. 2003, PMID: 12847137) and thereby blocks PD-L2 : PD-1 signalling.

**Antibody First Published in:** Yamazaki et al. Expression of programmed death 1 ligands by murine T cells and APC. J Immunol. 2002 Nov 15;169(10):5538-45 [PMID:12421930](#)

**Note on publication:** Describes the generation and initial characterisation of this antibody.

## Product Form

**Size:** 25 mg VivopureX products are produced at high purity (>98%), low endotoxin (<0.5 EU/mg) and are formulated without preservatives. These antibodies are chimerized to have an Fc domain matching their target species to reduce immunogenicity and give you the optimal effector function for your experiment. As a result VivopureX products are the ideal choice for in vivo research applications.

**Purification:**

Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** All VivopureX products are formulated in PBS only without addition of preservatives. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions.

**Concentration:**  $\geq 1\text{mg}$  (see vial label for exact conc)

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.