

Anti-PD-L2 [24F.10C12] Bulk Size Ab02439-23.0-BT

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

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 24F.10C12

Alternative Name(s) of Target: CD273; PDL2; PDCD1LG2; PDCD1L2; PD-1 ligand 2; PDCD1 ligand 2; PDCD1 ligand 2; Programmed cell death 1 ligand 2; Butyrophilin B7-DC; B7-DC

UniProt Accession Number of Target Protein: Q9BQ51

Published Application(s): Block, ELISA, FC, IHC

Published Species Reactivity: Human

Immunogen:

Specificity: This antibody binds human PD-L2, expressed on dendritic cells, IFN-gamma-treated monocytes, placental endothelium and medullary thymic epithelial cells.

Application Notes: This antibody can recognize PD-L2-Fc in an ELISA. Flow cytometric analysis with whole anti-PD-L2 mAb 24F.10C12 and its Fab version revealed approximately the same mean fluorescence intensity upon binding PD-L2 transfected cells. This antibody is capable of blocking the binding of PD-1-Ig to PD-L2 in a dose-dependent manner and with high avidity. This antibody was also used for the immunohistochemical studies of various tissues including thymus, germinal center, placenta, cardiac tissues, and tumors. Blockade of PD-L2 on dendritic cells results in enhanced T cell proliferation and cytokine production, including that of IFN-gamma and IL-10. Both the whole antibody version and Fab version enhanced T cell activation, showing that PD-L2 functions to inhibit T cell activation (PMID: 12538684). This antibody was used for the study of PD-1 pathway on the activation of naive, memory, and recently activated human CD4+ T cells (PMID: 15598424). Antibody blockade of endothelial cell PD-L2 enhanced endothelial cell costimulation of PHA-activated human CD8+ T cells (PMID: 14579280).

Antibody First Published in: Brown et al. Blockade of programmed death-1 ligands on dendritic cells enhances T cell activation and cytokine production. J Immunol. (2003); 170(3):1257-66. [PMID:12538684](#)

Note on publication: Describes the generation of this antibody and its tests its capability to block interaction between PD-1 and PD-L2 on dendritic cells.

Product Form

Size:

1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

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