

Anti-PD-L1 [10F.9G2] Bulk size M bAb0653-BS

This antibody is a knob-into-hole bispecific based on murine IgG2a with an Fc Silent™ mutation, featuring one arm with an anti-mouse CD28 scFv based on the clone D665.

This is a bispecific, knob-into-hole heterodimerized antibody, with one arm directed against mouse PD-L1 (Fab) and one arm directed against mouse CD28 (scFv based on the superagonistic clone D665).

Isotype and Format: Mouse IgG2a mCD28 KIH bispecific, Fc Silent™, Kappa

Clone Number: 10F.9G2

Alternative Name(s) of Target: CD274; PDL1; PD L1; Programmed cell death 1 ligand 1; PDCD1 ligand 1; Programmed death ligand 1; B7 homolog 1; B7-H1; 10F9G2; 10F 9G2

UniProt Accession Number of Target Protein: Q9EP73

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

Published Species Reactivity: Mouse

Immunogen: This antibody was raised by immunising Lewis rats with murine PD-L1 cDNA and murine PD-L1 CHO transfectants.

Specificity: This antibody is specific for murine PD-L1.

Application Notes: The specificity of this antibody has been confirmed in ELISA analysis (Eppihimer et al, 2002). This antibody reacts specifically with mPD-L1-transfected cells in flow cytometry, and has been used to assess microvascular endothelial cells PD-L1 expression (Eppihimer et al, 2002). When administered to mice, a radiolabelled version of this antibody has been used to quantify PD-L1 expression in vivo, by measuring antibody accumulation in different tissues (Eppihimer et al, 2002). This antibody has also been used in immunohistochemical analysis of PD-L1 expression in frozen tissue sections of murine brain (Eppihimer et al, 2002) and murine hearts (Rodig et al, 2003). This antibody has been shown to block the binding of PD-L1 to both PD-1 and B7-1 (Paterson et al, 2011). This antibody precipitates diabetes in NOD mice and in adoptive transfer models of CD4+ and CD8+ T cell-driven diabetes, and accelerates diabetes in recipients of T cells from diabetic and prediabetic mice (Paterson et al, 2011).

Antibody First Published in: Eppihimer et al. Expression and Regulation of the PD-L1 Immunoinhibitory Molecule on Microvascular Endothelial Cells Microcirculation. 2002 Apr;9(2):133-45. [PMID:11932780](#)

Note on publication: Describes the original generation of this antibody, and its use in ELISA, flow cytometry and immunohistochemistry.

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: See vial label

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