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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-PD-L1 [BT613] Standard Size Ab03784-10.3

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

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: BT613

Alternative Name(s) of Target: CD274; B7-H1; B7 homolog 1; PDCD1 ligand 1; Programmed death ligand 1; hPD-L1; Programmed cell death 1 ligand 1

UniProt Accession Number of Target Protein: Q9NZQ7

Published Application(s): Blocking, in vitro, in vivo, inhibition, SPR

Published Species Reactivity: Human, Mouse

Immunogen: The original antibody was generated by immunizing transgenic mice with PD-L1, followed by antibody library construction and phage display-based selection against PD-L1.

Specificity: The original antibody is specific for PD-L1. The antibody recognises human and mouse PD-L1.

Application Notes: The binding affinity of the antibody to PD-L1 was measured by surface plasmon resonance. The binding affinity of the antibody was measured on the cell lines with high expression of PD-L1 by FACS. The specificity of the original format of the antibody was confirmed by ELISA analysis. The antibody had good activity in blocking the binding of PD-L1 to PD-1 and PD-L1 to B7-1 is shown by ELISA analysis. The antibody could block the binding of PD-1 and PD-L1 at the cellular level in in vitro experiments. The antibody was used for in vivo experiments on colon cancer tumor model. B-hPD-1 mice with human PD-1 and MC38-hPD-L1 colon cancer cells with human PD-L1 were treated with the antibody. Results showed inhibition of tumor volume growth in mice treated with the antibody.

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In:

PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.