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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-CTLA-4 [5E3] Standard Size Ab03236-10.3

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

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

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

Clone Number: 5E3

Alternative Name(s) of Target: Cytotoxic T-lymphocyte protein 4; Cytotoxic T-lymphocyte-associated antigen 4; CD152

UniProt Accession Number of Target Protein: P16410

Published Application(s): in vivo, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with CTLA-4 protein.

Specificity: The antibody is specific for CTLA-4. CTLA-4 is a protein receptor that functions as an immune checkpoint and downregulates immune responses.

Application Notes: The specificity of the antibody was confirmed by ELISA analysis. The kinetic parameters of human CTLA-4 protein binding to the antibody were measured and they resulted to be at the sub-nm level. The antitumor activity of the humanized antibody was demonstrated in vivo in animal models. It was proved that the antibody inhibited the tumor in a dose-dependent manner. Mouse PD-1 antibody was combined with the antibody and used to evaluate the toxicity to mice; these experiments compared with the use of Ipilimumab in combination with PD-1 antibody. Results showed that after 5E3 antibody was used in combination with PD-1 antibody, the immunity to the body and the toxicity of heart, liver and lung are significantly lower than the toxicity of Ipilimumab in combination with PD-1 antibody (CN110343180).

Antibody First Published in: PMID:

Note on publication:

Product Form

Size: 200 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.