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Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-CTLA-4 [5E3] Standard Size Ab03236-23.0

This chimeric rabbit 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: Rabbit IgG, 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.