



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-CTLA-4 [5E3] Standard Size Ab03236-1.1

**Isotype and Format:** Mouse IgG1, 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.