Anti-CTLA-4 [NB25B-17] Bulk size M Ab03235-1.159-BS

Isotype and Format: Mouse IgG1-Fc fusion
Clone Number: NB25B-17
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): FACS, in vivo
Published Species Reactivity: Monkey, Human
Immunogen: The original antibody was generated by immunizing alpaca with human CTLA-4, followed by antibody library construction and phage display-based selection.
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 binding affinity of humanized VHH-Fc chimeric antibody to human CTLA-4 expressed in CHO cells was shown by FACS experiments. The blocking activity of the humanized VHH-Fc chimeric antibody to the binding of CTLA-4 to CD80 or CD86 was shown using FACS. The antitumor activity of the humanized antibody was demonstrated in vivo in animal models. Specifically, a tumor animal model was established by inoculating mice with human breast cancer cells MDA-MB-231 (ATCC) to induce breast cancer. Mice were grouped and administered with the humanized version of the antibody, and tumor volume in tumor-bearing animals was measured periodically in size. Results showed that the humanized version of the antibody was able to significantly reduce tumor volume in tumor-bearing mice (CN113121689).
Antibody First Published in: PMID:
Note on publication:

Product Form

Size: 1 mg Purified antibody in bulk size.
Purification: Protein A affinity purified
Supplied In: PBS only.
Storage Recommendation: Store at 4^{o}C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommed this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20^{o}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.