BOSTER BIOLOGICAL TECHNOLOGY
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Anti- CD28 Monoclonal Antibody

Catalog Number: M00065-1

About Cd28

CD28 (Cluster of Differentiation 28) is one of the proteins expressed on T cells that provide co- stimulatory signals required for T cell activation and survival. T cell stimulation through CD28 in addition to the T-cell receptor (TCR) can provide a potent signal for the production of various interleukins (IL-6 in particular). The CD28 gene is mapped to 2q33-q34. CD28 and CTLA-4, together with their ligands, B7-1 and B7-2, constitute one of the dominant costimulatory pathways that regulate T and B cell responses. CD28 and CTLA-4 are structurally homologous molecules that are members of the immunoglobulin (Ig) gene superfamily.

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Overview

Product Name	Anti- CD28 Monoclonal Antibody
Reactive Species	Mouse
Description	Boster Bio Anti- CD28 Monoclonal Antibody catalog # M00065-1. Tested in IHC-P applications. This antibody reacts with Mouse.
Application	IHC-P
Clonality	Monoclonal AGOA-3
Formulation	PBS, pH 7.0. Contains no stabilizers or preservatives
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P31041

Technical Details

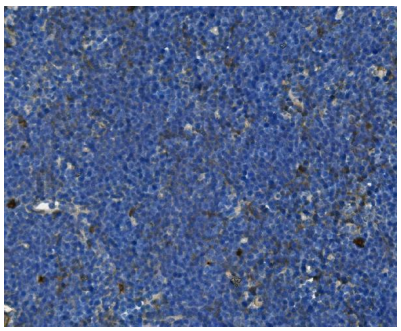
Immunogen	A20 cells expressing mouse CD28 and a recombinant mouse CD28-Ig fusion protein
Predicted Reactive Species	Primate
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0001-1) for IHC.

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Cross Reactivity	No cross reactivity with other proteins.
Isotype	Mouse IgG1, kappa
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 2-5ug/ml, Mouse

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Anti- CD28 Monoclonal Antibody (M00065-1) Images



IHC analysis of CD28 using anti-CD28 antibody (M00065-1). CD28 was detected in paraffin-embedded section of mouse thymus tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/ml mouse anti-CD28 Antibody (M00065-1) overnight at 4°C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB as the chromogen.

1 Publications Citing This Product

1. PubMed ID: 10.1021/acsami.1c08290, Combination of Chidamide-Mediated Epigenetic Modulation with Immunotherapy: Boosting Tumor Immunogenicity and Response to PD-1/PD-L1 Blockade

Visit bosterbio.com/anti-cd28-monoclonal-antibody-m00065-1-boster.html to see all 1 publications.

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