BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CD4 Antibody (Monoclonal, 35C63)

Catalog Number: M00344-11

About Cd4

CD stands for "cluster of differentiation"; the number that follows is arbitrarily assigned. In the full designation the cell type and nature and molecular weight of the antigen are given in brackets; for CD4, this is as follows: [T,gp55]. CD4 is present on a subset of T lymphocytes ("helper/inducer" T cells) and is also expressed at a lower level on monocytes, tissue macrophages and granulocytes. The antigen is involved in binding to MHC class II molecules. The intracellular domain of the antigen is associated with p56lck protein tyrosine kinase.

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Overview

Product Name	Anti-CD4 Antibody (Monoclonal, 35C63)
Reactive Species	Human
Description	Boster Bio Anti-CD4 Antibody (Monoclonal, 35C63) catalog # M00344-11. Tested in Flow Cytometry, IHC, ICC applications. This antibody reacts with Human.
Application	Flow Cytometry, IHC, ICC
Clonality	Monoclonal 35C63
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN3.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P05540

Technical Details

Immunogen	CD4-transfected mouse T-cell hybridoma, 3DT, followed by CD4+ human T-cell CEM cells.
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(F) and ICC.
Cross Reactivity	No cross-reactivity with other proteins

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Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites
Suggested Dilutions	Immunohistochemistry (Frozen Section), 1ug/ml, Human Immunocytochemistry, 0.5-1ug/ml, Human Flow Cytometry, 1-3ug/1x10^6 cells, Human

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For Research Use Only. Not for use in diagnostic procedures.