

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.

Overview

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|----------------------|---|
| 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

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| 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 |
| 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/1x10⁶ cells, Human

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