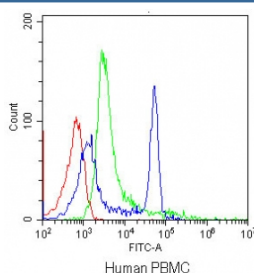


CD4 Antibody [clone CA-4] (R30015)

Catalog No.	Formulation	Size
R30015	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Ascites
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	CA-4
Purity	Ascites
Gene ID	920
Applications	IHC (Frozen) : 1ug/ml-formalin or acetone fixed tissues Flow Cytometry : 1-3ug/10 ⁶ cells
Limitations	This CD4 antibody is available for research use only.



Flow cytometry testing of human PBMC with CD4 antibody at 1ug/10⁶ cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=CD4 antibody.

Description

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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

CD4-transfected mouse T-cell hybridoma (3DT) followed by CD4+ human T-cell CEM cells was used as the immunogen for this CD4 antibody.

Storage

After reconstitution, the CD4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.