

39-1015: Anti-CD4 Monoclonal Antibody (Clone: CA-4)

Clonality :	Monoclonal
Clone Name :	CA-4
Application :	IHC-F
Reactivity :	Human
Gene :	Cd4
Gene ID :	24932
Uniprot ID :	P05540
Alternative Name :	T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; W3/25 antigen; CD4; Cd4
Isotype :	Mouse IgG1
Immunogen Information :	CD4-transfected mouse T-cell hybridoma, 3DT, followed by CD4+ human T-cell CEM cells.

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.

Product Info

Amount :	100 µg/vial
Purification :	Ascites
Content :	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
Storage condition :	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Application Note

Immunohistochemistry(Frozen Section) : 1 $\frac{1}{4}$ g/ml