

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	CA-4
<b>Application :</b>	IHC-F
<b>Reactivity :</b>	Human
<b>Gene :</b>	Cd4
<b>Gene ID :</b>	24932
<b>Uniprot ID :</b>	P05540
<b>Alternative Name :</b>	T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; W3/25 antigen; CD4; Cd4
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	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) : 1µg/ml