

### 36-3509: Anti-CD7 (T-Cell Leukemia Marker) Monoclonal Antibody(Clone: T3-3A1)

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|--------------------------------|--|
| <b>Clonality :</b>             | Monoclonal   |
| <b>Clone Name :</b>            | T3-3A1   |
| <b>Application :</b>           | FACS,IF  |
| <b>Reactivity :</b>            | Human  |
| <b>Gene :</b>                  | CD7  |
| <b>Gene ID :</b>               | 924  |
| <b>Uniprot ID :</b>            | P09564   |
| <b>Alternative Name :</b>      | GP40; Leu9; p41; T-cell leukemia antigen; T-cell surface antigen Leu-9; Tp40; TP41 |
| <b>Isotype :</b>               | Mouse IgG1, kappa  |
| <b>Immunogen Information :</b> | Human T cells  |

#### Description

Recognizes a protein of 40kDa, identified as CD7, a member of the immunoglobulin gene superfamily. Its N-terminal amino acids 1-107 are highly homologous to Ig kappa-L chains whereas the carboxyl-terminal region of the extracellular domain is proline-rich and has been postulated to form a stalk from which the Ig domain projects. CD7 is expressed on the majority of immature and mature T-lymphocytes, and T cell leukemia. It is also found on natural killer cells, a small subpopulation of normal B cells and on malignant B cells. Cross-linking surface CD7 positively modulates T cell and NK cell activity as measured by calcium fluxes, expression of adhesion molecules, cytokine secretion and proliferation. CD7 associates directly with phosphoinositol 3'-kinase. CD7 ligation induces production of D-3 phosphoinositides and tyrosine phosphorylation.

#### Product Info

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|----------------------------|---|
| <b>Amount :</b>            | 20 µg / 100 µg  |
| <b>Content :</b>           | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| <b>Storage condition :</b> | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.                               |

#### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);