Datasheet for ABIN6655531
anti-CD4 antibody (FITC)

Overview

Quantity: 500 μL
Target: CD4
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Conjugate: This CD4 antibody is conjugated to FITC
Application: Flow Cytometry (FACS), Fluorescence Microscopy (FM)

Product Details

Immunogen: Anti-CD4 Antibody (Monoclonal) was produced by repeated immunizations with PHA-stimulated human peripheral blood mononuclear cells (PBMC).
Immunogen Type: Other
Clone: RPA-T4
Isotype: IgG1
Cross-Reactivity (Details): Cross reactivity with CD4 from other sources has not been tested.
Purification: Fluorescein conjugated CD4 Monoclonal Antibody was Protein G Purified from tissue culture supernatant and is directed against human CD4. Reactivity is observed against human CD4 and chimpanzee.
Labeling Ratio: 2-8
### Target Details

<table>
<thead>
<tr>
<th>Target</th>
<th>CD4</th>
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</thead>
<tbody>
<tr>
<td><strong>Alternative Name:</strong></td>
<td>CD4 (CD4 Products)</td>
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</tbody>
</table>
| **Background:** | Synonyms: T-cell surface glycoprotein CD4, T-cell surface antigen T4/Leu-3, CD4, FITC anti-human CD4, RPA-T4, FITC, T4  
Background: CD4 is an Immunoglobulin Superfamily protein and an accessory protein for MHC class-II antigen/ T-cell receptor interaction. It may regulate T-cell activation. It plays a more general role in mediating cell recognition events than merely those of cellular immune response. The T4 Molecule serves as a receptor for the human immunodeficiency virus. A Type I membrane protein, it is expressed on T lymphocytes, B-cells, macrophages, and granulocytes. It is also expressed in a developmentally regulated manner in specific regions of the brain.  
Gene Name: CD4 |
| **Gene ID:**    | 920 |
| **NCBI Accession:** | NP_000607 |
| **UniProt:**    | P01730 |
| **Pathways:**   | TCR Signaling, Maintenance of Protein Location, CXCR4-mediated Signaling Events |

### Application Details

| **Application Notes:** | Application Note: Anti-CD4 is useful for Immunofluorescence and Flow Cytometry (Cell Surface). Researchers should determine optimal titers for applications that are not stated.  
Flow Cytometry Dilution: 10 µL/10^6 cells (0.1 µg)  
IF Microscopy Dilution: User Optimized |
| **Restrictions:**     | For Research Use only |

### Handling

| **Format:** | Liquid |
|**Buffer:** | Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2  
Stabilizer: 0.1 % Gelatin |
|**Preservative:** | Sodium azide |
|**Precaution of Use:** | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
|**Storage:** | 4 °C |
Handling

Storage Comment: Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. DO NOT FREEZE. This product is light sensitive.

Images

**Flow Cytometry**

**Image 1.** Flow Cytometry - Mouse anti-HUMAN CD3 FITC

**Flow Cytometry**

**Image 2.** Flow Cytometry - Mouse anti-HUMAN CD3 FITC

**Flow Cytometry**

**Image 3.** Flow Cytometry - Mouse anti-HUMAN CD4 FITC
Flow Cytometry of Mouse anti-HUMAN CD4 antibody Fluorescein conjugated. Cells: 10^6 Human peripheral blood lymphocytes. Stimulation: none. Antibody: (GRAY) 1µg FITC Mouse isotype control; (BLUE) Fluorescein Anti-CD3 mouse secondary antibody using 5 ul (1µg).

Please check the product details page for more images. Overall 4 images are available for ABIN6655531.