

## Mouse anti-Human CD4 Monoclonal Antibody | anti-CD4 antibody

CD4 (CD4 Antigen, CD4 Molecule, CD4 Receptor, CD4mut, T Cell Surface Antigen T4/Leu3, T Cell Antigen T4, T Cell Surface Glycoprotein CD4) (MaxLight 490)

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                           |
|-----------|-------|------------|--------------------------------------------------------|
| AAA26795  | Mouse | Human      | Flow Cytometry, Functional Assay, Immunohistochemistry |

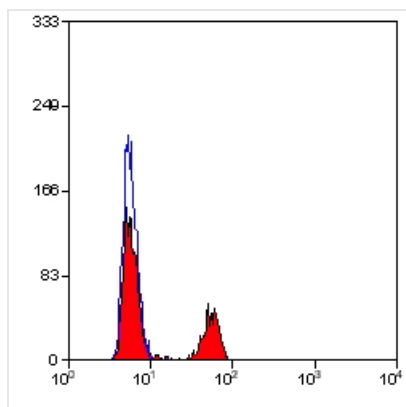
### PRODUCT SYNONYMS

CD4; Monoclonal Antibody; CD4 (CD4 Antigen; CD4 Molecule; CD4 Receptor; CD4mut; T Cell Surface Antigen T4/Leu3; T Cell Antigen T4; T Cell Surface Glycoprotein CD4) (MaxLight 490); anti-CD4 antibody

### PRODUCT SPECIFICATIONS

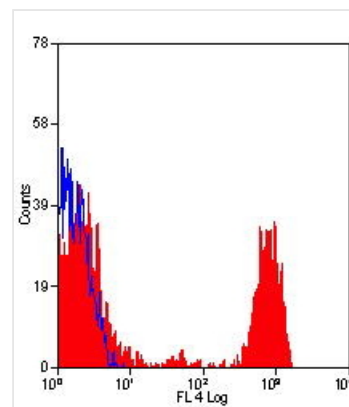
|                                               |                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                          |
| Reactivity                                    | Human                                                                          |
| Clonality                                     | Monoclonal                                                                     |
| Isotype                                       | IgG1                                                                           |
| Clone Number                                  | 3H757                                                                          |
| Specificity                                   | Recognizes human CD4.                                                          |
| Purity/Purification                           | Purified by protein A affinity chromatography from tissue culture supernatant. |
| Form/Format                                   | Supplied as a liquid in PBS, pH 7.2. Labeled with MaxLight490.                 |
| Applicable Applications for anti-CD4 antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)                          |
| Immunogen                                     | Human PHA blasts.                                                              |
| Conjugate                                     | MaxLight490                                                                    |
| Preparation and Storage                       | Store at 4 degree C. Do Not Freeze.                                            |

### IMAGES



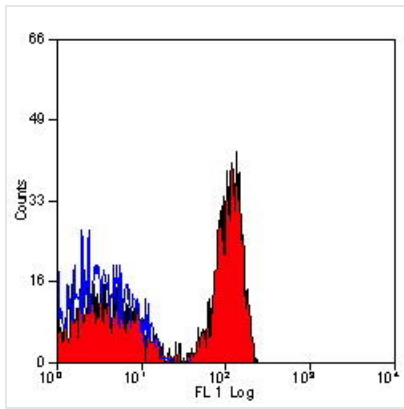
#### Application Data

Staining of human peripheral blood lymphocytes with MOUSE ANTI HUMAN CD4:ALEXA 405



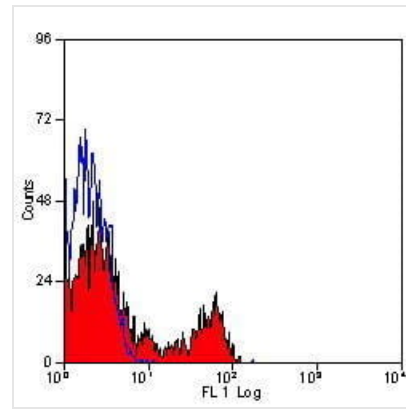
#### Application Data

Staining of human peripheral blood lymphocytes with MOUSE ANTI HUMAN CD4: RPE-Alexa 647



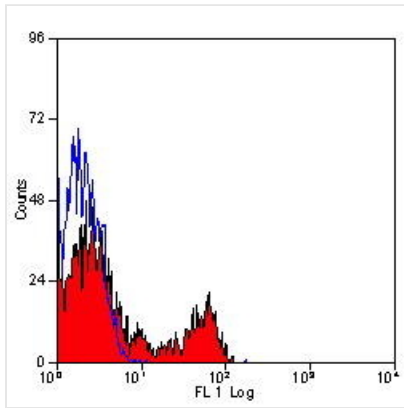
#### Application Data

Staining of human peripheral blood lymphocytes with MOUSE ANTI HUMAN CD4: RPE - Alexa Fluor&reg; 750



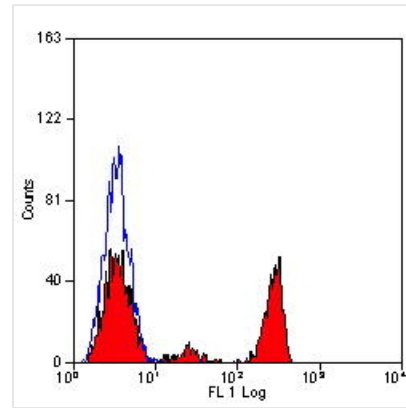
#### Application Data

Staining of human peripheral blood lymphocytes with MOUSE ANTI HUMAN CD4: AZIDE FREE



#### Application Data

Staining of human peripheral blood lymphocytes with MOUSE ANTI HUMAN CD4: Pacific Blue&reg;



#### Application Data

Staining of human peripheral blood lymphocytes with MOUSE ANTI HUMAN CD4: Alexa Fluor&reg; 488

## ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Categories/Family for anti-CD4 antibody</b> | Antibodies; CD Markers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>References</b>                                      | 1. Zarkesh-Esfahani, H. et al. (2001) High-dose leptin activates human leukocytes via receptor expression on monocytes. J. Immunol.167:4593 - 4599, 2. Voehringer, D. et al. (2002) Lack of proliferative capacity of human effector and memory T cells expressing killer cell lectin-like receptor G1 (KLRG1). Blood.100: 3698 - 3702, 3. Piatier-Tonneau, D. (1997) CD4 workshop panel report. In Leucocyte Typing VI. White cell differentiation antigens. Edited by Kishimoto, T., Kikutani, H., von dem Borne, A.E.G.Kr., Goyert, A.M., Mason, D.Y., Miyasaka, M., Moretta, L., Okumura, K., Shaw, S., Springer, T.A., Sugamura, K., Zola, H. Garland publishing Inc. New York & London. |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                |
|-----------------------------------------|------------------------------------------------|
| <b>NCBI GI #</b>                        | 10835167                                       |
| <b>NCBI GeneID</b>                      | 920                                            |
| <b>NCBI Accession #</b>                 | NP_000607.1                                    |
| <b>NCBI GenBank Nucleotide #</b>        | NM_000616.4                                    |
| <b>UniProt Accession #</b>              | P01730; Q4ZGK2; Q5U066; Q9UDE5; B2R737; D3DUS5 |
| <b>Molecular Weight</b>                 | 51,111 Da                                      |
| <b>NCBI Official Full Name</b>          | T-cell surface glycoprotein CD4 isoform 1      |
| <b>NCBI Official Synonym Full Names</b> | CD4 molecule                                   |

|                               |                                                                                                   |
|-------------------------------|---------------------------------------------------------------------------------------------------|
| NCBI Official Symbol          | CD4                                                                                               |
| NCBI Official Synonym Symbols | CD4mut                                                                                            |
| NCBI Protein Information      | T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3 |
| UniProt Protein Name          | T-cell surface glycoprotein CD4                                                                   |
| UniProt Gene Name             | <b>CD4</b>                                                                                        |
| UniProt Entry Name            | CD4_HUMAN                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd4-antibody-clone-3h757-flow-cytometry-immunohistochemistry-elisa/26795>