

## Mouse anti-Human CD2 Antibody | anti-CD2 antibody

Anti-Hu CD2 FITC

|                               |                      |                            |                                                         |
|-------------------------------|----------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA128669</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|----------------------------|---------------------------------------------------------|

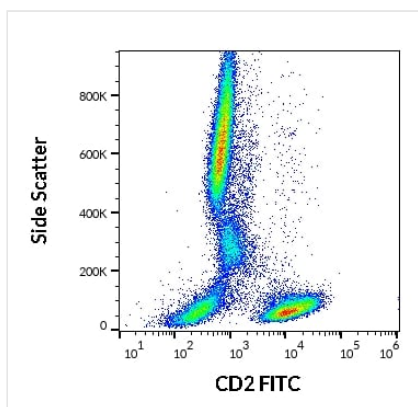
### PRODUCT SYNONYMS

CD2; Anti-Hu CD2 FITC; CD2 molecule; T11; LFA-2; SRBC; anti-CD2 antibody

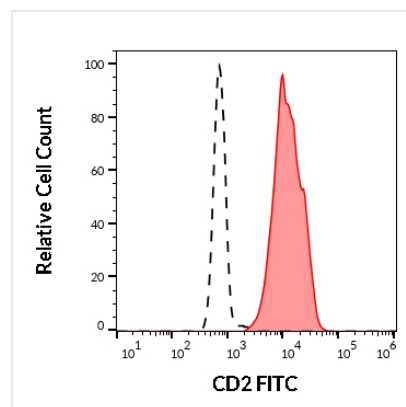
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                         |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                                   |
| Reactivity                                    | Human                                                                                                                                                                                   |
| Isotype                                       | IgG2b                                                                                                                                                                                   |
| Clone Number                                  | LT2                                                                                                                                                                                     |
| Specificity                                   | The antibody LT2 reacts with an extracellular epitope of CD2, a 50 kDa glycoprotein present on the human peripheral blood T lymphocytes and NK cells; also expressed by all thymocytes. |
| Purity/Purification                           | The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.                        |
| Form/Format                                   | Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide                                                                                                      |
| Sequence Length                               | 351                                                                                                                                                                                     |
| Applicable Applications for anti-CD2 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                               |
| Immunogen                                     | Normal human blood lymphocytes.                                                                                                                                                         |
| Conjugation                                   | FITC                                                                                                                                                                                    |
| Preparation and Storage                       | Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.                                                                                                    |

### IMAGES


**FCM/FACS (Flow Cytometry)**

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD2 (LT2) FITC antibody (20 ul reagent / 100 ul of peripheral whole blood).


**FCM/FACS (Flow Cytometry)**

Separation of human CD2 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD2 (LT2) FITC antibody (20 ul reagent / 100 ul of peripheral whole blood).

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Related Product Information for anti-CD2 antibody | CD2 belongs to T lymphocyte glycoproteins of immunoglobulin superfamily. Its interaction with CD58 stabilizes adhesion between T cells and antigen presenting or target cells. Relatively low affinity of CD2 to CD58 (as measured in solution) is compensated within the two-dimensional cell-cell interface to provide tight adhesion. Moreover, T cell activation induces increased CD2 expression and its lateral mobility, making easier contact between CD2 and CD58. Subsequently, T cell activation causes fixation of CD58-CD2 at sites of cell-cell contact, thereby strengthening intercellular adhesion. CD2 deficiency reduces intestinal inflammation and helps to control infection. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                      |
|----------------------------------|--------------------------------------|
| NCBI GI #                        | 156071472                            |
| NCBI GeneID                      | 914                                  |
| NCBI Accession #                 | NP_001758.2                          |
| NCBI GenBank Nucleotide #        | NP_001758.2                          |
| UniProt Accession #              | P06729                               |
| NCBI Official Full Name          | T-cell surface antigen CD2 isoform 2 |
| NCBI Official Synonym Full Names | CD2 molecule                         |
| NCBI Official Symbol             | CD2                                  |
| NCBI Official Synonym Symbols    | T11; SRBC; LFA-2                     |
| NCBI Protein Information         | T-cell surface antigen CD2           |
| UniProt Protein Name             | T-cell surface antigen CD2           |
| UniProt Gene Name                | CD2                                  |
| UniProt Synonym Gene Names       | SRBC                                 |
| UniProt Entry Name               | CD2_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/mouse-human-antibody/cd2/128669>