

Product datasheet for **AM26778PU-N**

CD2 Mouse Monoclonal Antibody [Clone ID: TS1/8]

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | TS1/8 |
| Applications: | FC, FN |
| Recommended Dilution: | Flow cytometry. Functional application: Blocking. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Cytotoxic T lymphocytes |
| Specificity: | This antibody recognizes CD2, a 50 kDa glycoprotein present on the human peripheral blood T lymphocytes and NK cells; also expressed by all thymocytes. |
| Formulation: | Phosphate buffered saline (PBS) State: Purified State: Liquid Ig fraction Preservative: 15 mM sodium azide, approx. pH 7.4 |
| Concentration: | lot specific |
| Purification: | Protein-A affinity chromatography |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C. DO NOT FREEZE! |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | CD2 molecule |
| Database Link: | Entrez Gene 914 Human P06729 |



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Background:

CD2 (also known as LFA-2) 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.

Synonyms:

SRBC, Erythrocyte receptor, LFA-2, LFA-3 receptor, Rosette receptor