

## Product datasheet for **AM26778LE-N**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	TS1/8
Applications:	FC, FN
Recommended Dilution:	<b>Flow cytometry.</b> <b>Functional application:</b> 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:	Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized Label: PE State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	PE
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.



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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.