



Product Datasheet
CD2 monoclonal antibody
Catalogue Code: AGIM0140

Antibody Data

Product SKU:	AGIM0140	Clone	LT2
Applications:	FC	Conjugate	Unconjugated
Reactivity:	Human		

Immunogen Information:

Host Species: Mouse

Isotype: IgG2a

Storage: Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Background:

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 twodimensional 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. This material is offered for research only. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.