



Product Datasheet  
**CD2 Dyomics 647 monoclonal antibody  
(Blood lymphocytes103Dy647 )**  
Catalogue Code: AGIM0026

## Antibody Data

<b>Product SKU:</b>	AGIM0026	<b>Clone</b>	MEM-65
<b>Applications:</b>	FC	<b>Conjugate</b>	Blood lymphocytes103Dy647
<b>Reactivity:</b>	Human		

## Immunogen Information:

**Host Species:** Mouse

**Isotype:** IgG1

**Storage:** Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.

## 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.