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30-2366: Anti-CD2 Monoclonal Antibody (Clone:TS1/8)-PE Conjugated

Clonality :	Monoclonal
Clone Name :	TS1/8
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	CD2
Gene ID :	914
Uniprot ID :	P06729
Alternative Name :	T-cell surface antigen CD2, Erythrocyte receptor, T-cell surface antigen T11/Leu-5
Isotype :	Mouse IgG1
Immunogen Information :	Cytotoxic T lymphocytes

Description

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.

Product Info

Amount :	100 tests
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

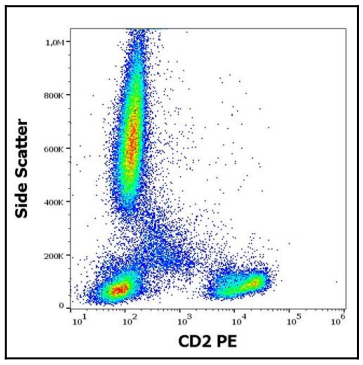


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD2 (TS1/8) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).

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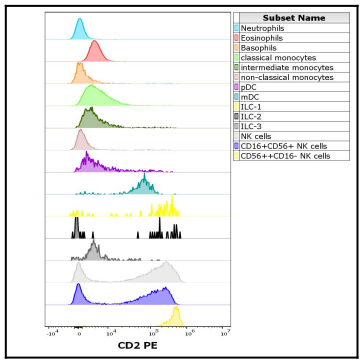


Figure 2: Expression profiling on peripheral blood subsets using Anti-human CD2 PE antibody (clone TS1/8). Innate panel

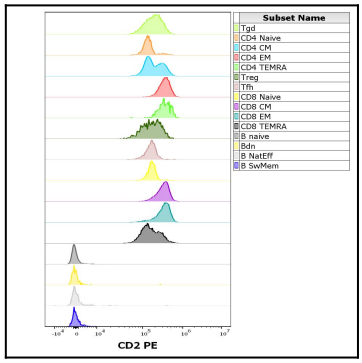


Figure 3: Expression profiling on peripheral blood subsets using Anti-human CD2 PE antibody (clone TS1/8). Adaptive panel

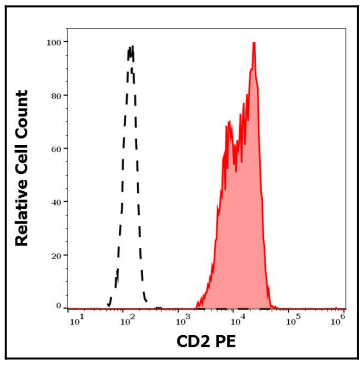


Figure 4: Separation of human CD2 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD2 (TS1/8) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).

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