

30-2539: Anti-Human CD93 FITC (Clone : VIMD2)

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| Clonality : | Monoclonal |
| Clone Name : | VIMD2 |
| Application : | FACS |
| Reactivity : | Human |
| Conjugate : | FITC |
| Gene : | CD93 |
| Gene ID : | 22918 |
| Alternative Name : | C1QR1, C1qRP, ECSM3, MXRA4, C1qR(P), dJ737E23.1, CD93 molecule |
| Isotype : | Mouse IgG1 |
| Immunogen Information : | KG1 cell line |

Description

CD93 (also known as C1qR1) is a type I transmembrane glycoprotein containing extracellular N-terminal C-type lectin domain and five EGF-like domains, and an intracellular tail interacting with moesin, a protein known to play a role in linking transmembrane proteins to the cytoskeleton and in the remodelling of the cytoskeleton. CD93 was reported to serve as a receptor for complement component C1q, but this function has not been fully elucidated yet. CD93 is involved in intercellular adhesion and in the clearance of apoptotic cells.

Specificity : The mouse monoclonal antibody VIMD2 recognizes an extracellular epitope on CD93, an approximately 110-120 kDa glycoprotein expressed mainly on myeloid cells and endothelial cells.

Product Info

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| Amount : | 100 tests |
| Purification : | The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography. |
| Content : | Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide |
| Storage condition : | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. |

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 4 μ l reagent / 100 μ l of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

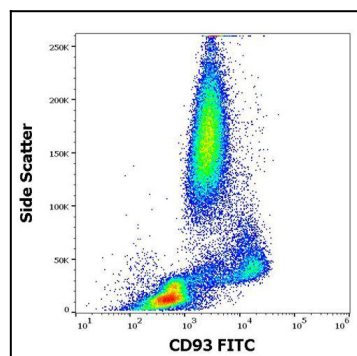


Figure 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD93 (VIMD2) FITC antibody (4 μ l reagent / 100 μ l of peripheral whole blood).

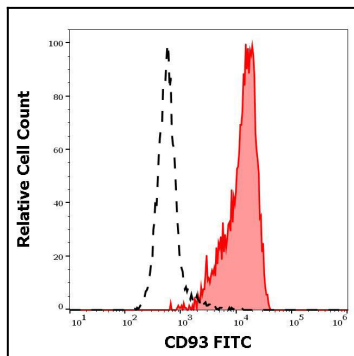


Figure 2 : Separation of human monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD93 (VIMD2) FITC antibody (4 μ l reagent / 100 μ l of peripheral whole blood).