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

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

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 ÂµI reagent / 100 ÂµI of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

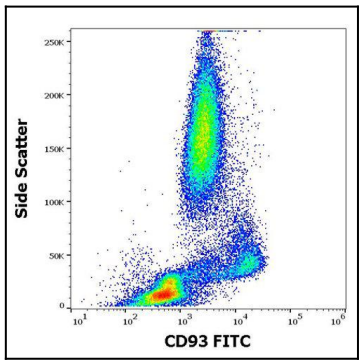

Figure 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD93 (VIMD2) FITC antibody (4 µl reagent / 100 µl of peripheral whole blood).

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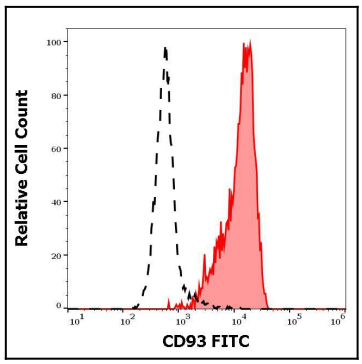

Figure 2 : Separation of human monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD93 (VIMD2) FITC antibody (4 µl reagent / 100 µl of peripheral whole blood).