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30-2538: Anti-Human CD93 APC (Clone: VIMD2)

Clonality: Monoclonal
Clone Name: VIMD2
Application: FACS
Reactivity: Human
Conjugate: APC
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 allophycocyanin (APC) 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 10 $\hat{A}\mu$ l reagent / 100 $\hat{A}\mu$ l of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

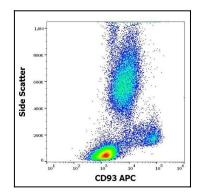


Figure 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD93 (VIMD2) APC antibody (4 μ l reagent / 100 μ l of peripheral whole blood).