

30-2865: Anti-Human CD369 APC MAb(Clone :15E2)

Clonality :	Monoclonal
Clone Name :	15E2
Application :	FACS
Reactivity :	Human
Conjugate :	APC
Gene :	CLEC7A
Gene ID :	64581
Uniprot ID :	Q9BXN2
Alternative Name :	C-type lectin domain containing 7A, Dectin-1, CLEC7A, BGR, CANDF4, SCARE2
Isotype :	Mouse IgG2a kappa
Immunogen Information :	Extracellular part of human CD369 with hIgG FC tag

Description

Specificity: The mouse monoclonal antibody 15E2 recognizes an extracellular epitope LWEDGSTFSSN of human CD369 (Dectin-1), a 33 kDa transmembrane glycoprotein expressed predominantly on dendritic cells.

CD369 (dectin-1, beta-glucan receptor) is a 33 kDa type II transmembrane glycoprotein of lectin family, and serves as a part of innate immunity system by binding to beta-glucan polymers, which are typical for yeast and mycobacterial cell walls. CD369 is expressed predominantly on dendritic cells, but it can be detected also on monocytes, macrophages, mast cells, eosinophils, B cells, endothelial cells, and sometimes also on some T cell subsets.

Product Info

Amount :	100 tests
Purification :	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Formulation: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze. Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

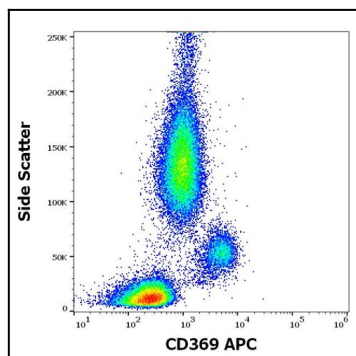


Fig 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD369 (15E2) APC antibody (10 μ l reagent / 100 μ l of peripheral whole blood).

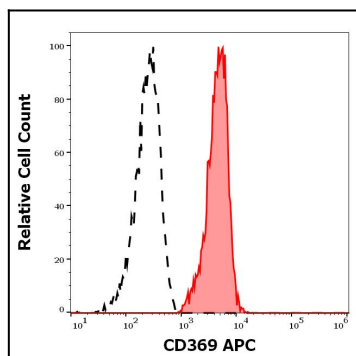


Fig 2: Separation of human monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD369 (15E2) APC antibody (10 μ l reagent / 100 μ l of peripheral whole blood).