

30-2571: Anti-Human CD369 Antibody (Clone : 15E2)

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

Description

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.

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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	1 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 2-5 $\mu\text{g/ml}$.

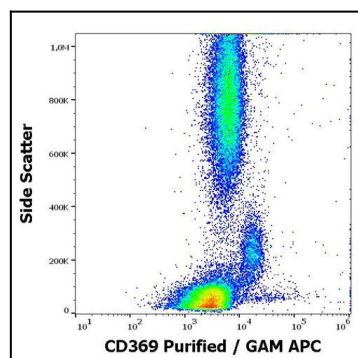


Figure 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD369 (15E2) purified antibody (concentration in sample 1,7 $\mu\text{g/ml}$, GAM APC).

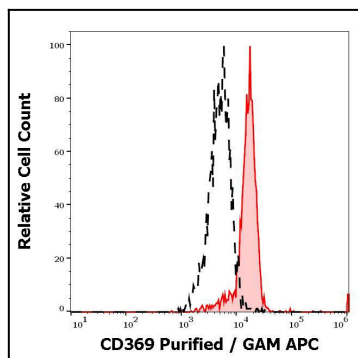


Figure 2 : Separation of monocytes stained anti-human CD369 (15E2) purified antibody (concentration in sample 1,7 µg/ml, GAM APC, red-filled) from monocytes unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).