

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

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| 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

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| 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 $\mu\text{g/ml}$.

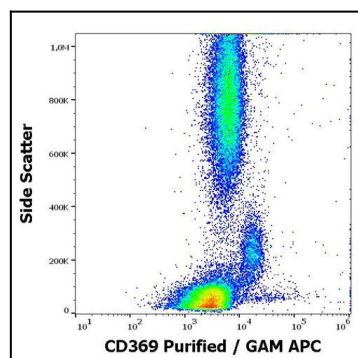


Figure 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD369 (15E2) purified antibody (concentration in sample 1,7 $\mu\text{g/ml}$, GAM APC).

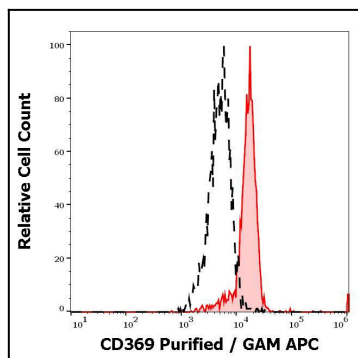


Figure 2 : Separation of monocytes stained anti-human CD369 (15E2) purified antibody (concentration in sample 1,7 µg/ml, GAM APC, red-filled) from monocytes unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).