

30-1769: Anti-CD229 / Ly9 Monoclonal Antibody (Clone:HLy9.25)-APC Conjugated

| | |
|--------------------------------|--|
| Clonality : | Monoclonal |
| Clone Name : | HLy9.25 |
| Application : | FACS |
| Reactivity : | Human |
| Conjugate : | APC |
| Gene : | LY9 |
| Gene ID : | 4063 |
| Uniprot ID : | Q9HBG7 |
| Alternative Name : | LY9,CDABP0070 |
| Isotype : | Mouse IgG1 |
| Immunogen Information : | CD299-transfected 300.19 pre-B cell line |

Description

CD229 (Ly9) is a cell surface receptor of the CD150 family, which includes also e.g. CD48 and CD224. Receptors of this family regulate cytokine production and cytotoxicity of lymphocytes and NK cells. High levels of CD229 are found on T and B cells, where its expression increases during their maturation. It is absent on granulocytes, bone marrow-derived dendritic cells, platelets and erythrocytes. CD229 has been also reported on mouse monocytes and NK cells. CD229 interacts homophilically through its N-terminal domain and localizes to the contact site between T cells and antigen presenting B cells during antigen-dependent immune synapse formation.

Product Info

| | |
|----------------------------|---|
| Amount : | 100 tests |
| Storage condition : | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. |

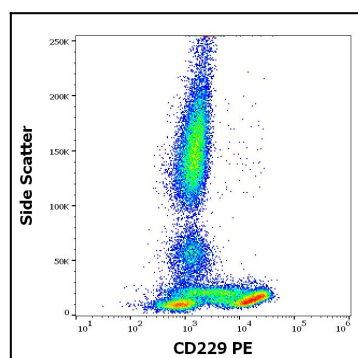


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD229 (HLy9.25) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

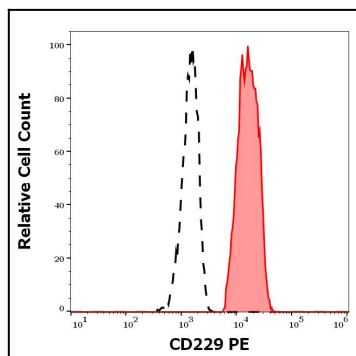


Figure 2: Separation of human CD229 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD229 (HLy9.25) APC antibody (10 μ l reagent / 100 μ l of peripheral whole blood).