

30-2705: Anti-Hu CD272 PE

Clone Name :	MIH26
Application :	FACS
Reactivity :	Human,Non-Human Primates
Conjugate :	PE
Gene ID :	151888
Uniprot ID :	Q7Z6A9
Format :	Purified
Alternative Name :	BTLA1
Isotype :	Mouse IgG2a kappa
Immunogen Information :	cells transfected with human CD272

Description

Specificity : The mouse monoclonal antibody MIH26 recognizes an extracellular epitope of CD272, a transmembrane glycoprotein serving as a negative regulator of the activation in various leukocyte types. CD272, a type I transmembrane glycoprotein, contains in its intracellular domain two ITIM sequences, which are upon CD272 triggering phosphorylated and recruit SHP phosphatases to attenuate cell activation. CD272 is expressed on B and T lymphocytes, NK cells, dendritic cells, and macrophages, and its ligand is CD270. Defects in CD272-CD270 inhibitory mechanism lead to autoimmune diseases. Overexpression of CD272 is a marker of tolerant T cells.

Product Info

Amount :	100 Tests
Purification :	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. 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.

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.

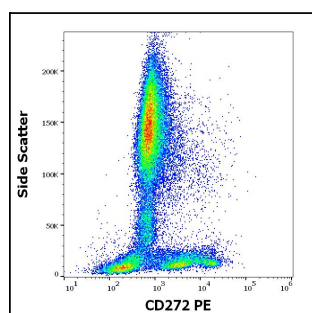


Figure 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD272 (MIH26) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).

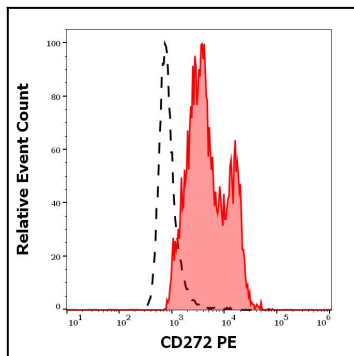


Figure 2 :Separation of human CD272 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD272 (MIH26) PE antibody (10 μ l reagent / 100 μ l of peripheral whole blood).