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30-2813PE: PE Conjugated Anti-Human CD270 (Clone: CW10)

Clonality :	Monoclonal
Clone Name :	CW10
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	CD270
Gene ID :	8764
Uniprot ID :	Q92956
Alternative Name :	TNFRSF14; TR2; ATAR; HVEA; HVEM; LIGHTR
Isotype :	Mouse IgG1 kappa
Immunogen Information :	Recombinant human CD270

Description

CD270 is a type I transmembrane protein of the TNFR superfamily, which is expressed on resting T cells, monocytes, and immature dendritic cells. Its ligands, CD258 and CD272, differ in effect on CD270 signaling. Whereas binding to CD258 provides a costimulatory signal, binding to CD272 gives to the cell an inhibitory signal. CD270 also is recognized by herpes simplex glycoprotein D. CD258-CD270 interaction and signaling is implicated in macrophage-derived foam cell-mediated development of atherosclerotic lesions.

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.

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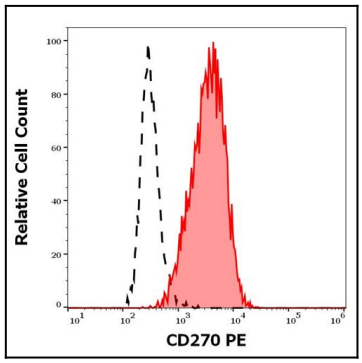

Figure 1: Separation of SK-MEL-30 cells stained using anti-human CD270 (CW10) PE antibody (10 µl reagent per million cells in 100 µl of cell suspension, red-filled) from SK-MEL-30 cells stained using mouse IgG1 isotype control (MOPC-21) FITC antibody (concentration in sample 5 µg/ml, same as CD270 PE concentration, black-dashed) in flow cytometry analysis (surface staining) of SK-MEL-30 cell suspension.