

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

Clonality :	Monoclonal
Clone Name :	CW10
Application :	FACS
Reactivity :	Human
Conjugate :	APC
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.

Specificity: The mouse monoclonal antibody CW10 recognizes an extracellular epitope on CD270, a type I transmembrane protein expressed on resting T cells, monocytes, and immature dendritic cells.

Product Info

Amount :	100 tests
Purification :	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and 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.

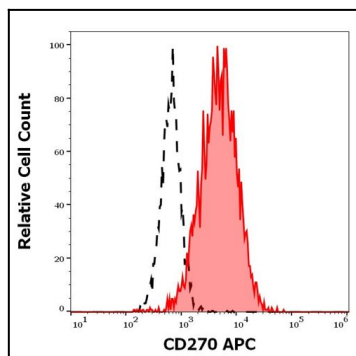


Figure 1: Separation of SK-MEL-30 cells stained using anti-human CD270 (CW10) APC antibody (10 μ l reagent per million cells in 100 μ l of cell suspension, red-filled) from SK-MEL-30 cells stained using mouse IgG1 isotype control (MOPC-21) APC antibody (concentration in sample 5 μ g/ml, same as CD270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