



Antibodies

1P-756-T100

Monoclonal Antibody to CD255 / TWEAK Phycoerythrin (PE) conjugated (100 tests)

Clone:	CARL-1
Isotype:	Mouse IgG3
Specificity:	The mouse monoclonal antibody CARL-1 recognizes CD255 / TWEAK, a type II transmembrane protein of the TNF superfamily able to weakly induce apoptosis in many cell types.
Regulatory Status:	RUO
Immunogen:	human CD255-transfected 2PK-3 cells
Species Reactivity:	Human
Preparation:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD255 / TWEAK (TNF-related weak inducer of apoptosis), a type II transmembrane protein expressed as membrane-bound and secreted form, can induce apoptosis in many tissues and cell lines through its receptor CD266 / TWEAK R. On the other hand, in endothelial cells this interaction can induce proliferation and promote angiogenesis including neovascularization of tumours. CD255 can act in a juxtacrine manner to initiate cellular responses, and induces secretion of pro-inflammatory cytokines. Besides CD266, CD255 may also bind to DR3.

For laboratory research only, not for drug, diagnostic or other use.



Antibodies

- References:**
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 - *Nakayama M, Ishidoh K, Kojima Y, Harada N, Kominami E, Okumura K, Yagita H: Fibroblast growth factor-inducible 14 mediates multiple pathways of TWEAK-induced cell death. *J Immunol.* 2003 Jan 1;170(1):341-8.
 - *Yoriki R, Akashi S, Sho M, Nomi T, Yamato I, Hotta K, Takayama T, Matsumoto S, Wakatsuki K, Migita K, Yagita H, Nakajima Y: Therapeutic potential of the TWEAK/Fn14 pathway in intractable gastrointestinal cancer. *Exp Ther Med.* 2011 Jan;2(1):103-108

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