



Antibodies

1P-591-T100

Monoclonal Antibody to CD334 / FGFR4 Phycoerythrin (PE) conjugated (100 tests)

Clone:	4FR6D3
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody 4FR6D3 reacts with CD334, the fibroblast growth factor receptor 4, which is an approximately 88 kDa receptor tyrosine kinase expressed in variety of tissues.
Regulatory Status:	RUO
Immunogen:	NIH 3T3 cells transfected with full length human CD334
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:	CD334 / FGFR4 (fibroblast growth factor receptor 4), a transmembrane tyrosine kinase, which is expressed in many tissues, such as in lung, kidney, muscle, heart, pancreas, intestine and other, acts as a receptor for several fibroblast growth factors, namely FGF1, FGF2, FGF6, FGF8, and FGF19. Interaction with these growth factors initiates in cell the signaling cascades leading to the mitogenesis and cell differentiation. Presence of CD334 Gly338Arg allele correlates with prognostic parameters in various cancer studies. CD334 plays multiple roles in the organism, including those of muscle regeneration, cholesterol-to-bile acid metabolism, or glucose homeostasis.

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

**Antibodies****References:**

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