

Datasheet for ABIN1303110  
**anti-FGFR4 antibody (PE)**

## 2 Images

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## Overview

Quantity:	100 tests
Target:	FGFR4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FGFR4 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	NIH 3T3 cells transfected with full length human CD334
Clone:	4FR6D3
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody 4FR6D3 reacts with an extracellular epitope of CD334, the fibroblast growth factor receptor 4, which is an approximately 88 kDa receptor tyrosine kinase expressed in variety of tissues.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

Target:	FGFR4
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## Target Details

Alternative Name:	CD334 / FGFR4 ( <a href="#">FGFR4 Products</a> )
Background:	<p>Fibroblast growth factor receptor 4,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.</p> <p>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.,FGFR4, TKF, JTK2, FGFR-4</p>
Gene ID:	2264
UniProt:	<a href="#">P22455</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Growth Factor Binding</a>

## Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	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.
Restrictions:	For Research Use only

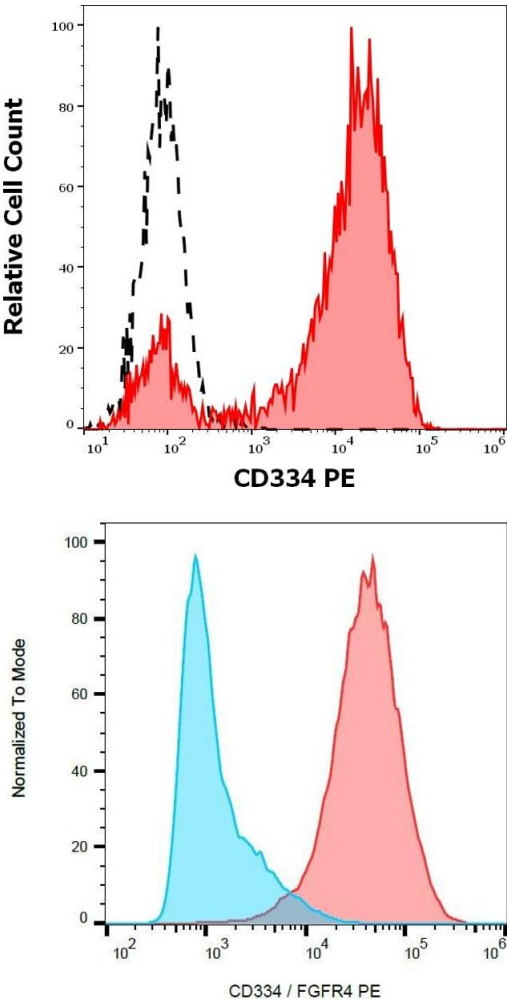
## Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	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.

Handling

Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Images



Flow Cytometry

**Image 1.** Separation of CD334 transfected 3T3 cells (red-filled) from nontransfected 3T3 cells (black-dashed) in flow cytometry analysis (surface staining) of cellular suspension stained using anti-human CD334 (4FR6D3) PE antibody (10 µL reagent per million cells in 100 µL of cell suspension).

Flow Cytometry

**Image 2.** Surface staining of CD334 transfectants with anti-CD334 (4FR6D3) PE.