



11-591-C100

## Monoclonal Antibody to CD334 / FGFR4 Purified Antibody (0.1 mg)

|                             |   |
|-----------------------------|---|
| <b>Clone:</b>               | 4FR6D3  |
| <b>Isotype:</b>             | Mouse IgG1  |
| <b>Specificity:</b>         | 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.   |
| <b>Regulatory Status:</b>   | RUO   |
| <b>Immunogen:</b>           | NIH 3T3 cells transfected with full length human CD334  |
| <b>Species Reactivity:</b>  | Human   |
| <b>Application:</b>         | Flow Cytometry<br>Immunocytochemistry   |
| <b>Purity:</b>              | > 95% (by SDS-PAGE)   |
| <b>Purification:</b>        | Purified by protein-A affinity chromatography   |
| <b>Concentration:</b>       | 1 mg/ml   |
| <b>Storage Buffer:</b>      | Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4   |
| <b>Storage / Stability:</b> | Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.  |
| <b>Expiration:</b>          | See vial label  |
| <b>Lot Number:</b>          | See vial label  |
| <b>Background:</b>          | 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:**

- \*Partanen J, Mäkelä TP, Eerola E, Korhonen J, Hirvonen H, Claesson-Welsh L, Alitalo K: FGFR-4, a novel acidic fibroblast growth factor receptor with a distinct expression pattern. *EMBO J.* 1991 Jun;10(6):1347-54.
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EXBIO Praha | Nad Safinou II 341 | 252 50 Vestec u Prahy | Czech Republic  
Tel: +420 261 090 666 | Fax: +420 261 090 660 | [orders@exbio.cz](mailto:orders@exbio.cz) | [www.exbio.cz](http://www.exbio.cz)