

For Research Use Only



# FcZero-rAb® Biotin Anti-Human FGFR2/CD332 Rabbit Recombinant Antibody

Catalog Number: **Biotin-FcA98244**

## Basic Information

|                                            |                                                          |                                                                                               |
|--------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>Biotin-FcA98244  | <b>GenBank Accession Number:</b><br>NM_000141.4          | <b>Purification Method:</b><br>Protein A purification                                         |
| <b>Size:</b><br>100ug , 500 ug/ml          | <b>GeneID (NCBI):</b><br>2263                            | <b>CloneNo.:</b><br>241383D11                                                                 |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>P21802                             | <b>Recommended Dilutions:</b><br>FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>fibroblast growth factor receptor 2 | <b>Excitation/Emission maxima wavelengths:</b><br>-                                           |
| <b>Immunogen Catalog Number:</b><br>EG1265 | <b>Calculated MW:</b><br>92kd                            |                                                                                               |

## Applications

|                                          |                                                               |
|------------------------------------------|---------------------------------------------------------------|
| <b>Tested Applications:</b><br>FC, ELISA | <b>Positive Controls:</b><br>FC : Transfected HEK-293T cells, |
| <b>Species Specificity:</b><br>human     |                                                               |

## Background Information

FGFR2 (Fibroblast growth factor receptor 2), also known as CD332, is a tyrosine-protein kinase that acts as a cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of cell proliferation, differentiation, migration, and apoptosis. Ligand binding leads to the activation of several signaling pathways, such as RAS, MAPK1/ERK2, MAPK3/ERK1, and the MAP Kinase signaling pathway, as well as the AKT1 signaling pathway. Mutations in the gene of FGFR2 are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis.

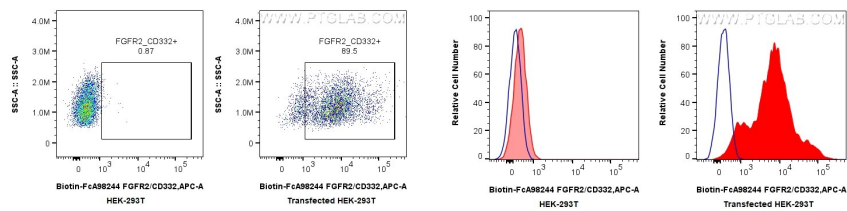
## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:  
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E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1x10<sup>6</sup> HEK-293T cells or FGFR2/CD332 transfected HEK-293T cells were surface stained with 0.25 ug Biotin Anti-Human FGFR2/CD332 Rabbit RecAb (Biotin-FcA98244, Clone: 241383D11) and Streptavidin-APC Conjugate (APC-PF00030). Cells were not fixed.

1x10<sup>6</sup> HEK-293T cells or FGFR2/CD332 transfected HEK-293T cells were surface stained with 0.25 ug Biotin Anti-Human FGFR2/CD332 Rabbit RecAb (Biotin-FcA98244, Clone: 241383D11) (red) or 0.25 ug Isotype Control (blue), and Streptavidin-APC Conjugate (APC-PF00030). Cells were not fixed.