

For Research Use Only

# Anti-Human FGFR2/CD332 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98244-1-PBS



## Basic Information

<b>Catalog Number:</b> 98244-1-PBS	<b>GenBank Accession Number:</b> NM_000141.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg, 2 mg/ml	<b>GeneID (NCBI):</b> 2263	<b>CloneNo.:</b> 241383D11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P21802	
<b>Isotype:</b> IgG	<b>Full Name:</b> fibroblast growth factor receptor 2	
	<b>Calculated MW:</b> 92kd	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
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

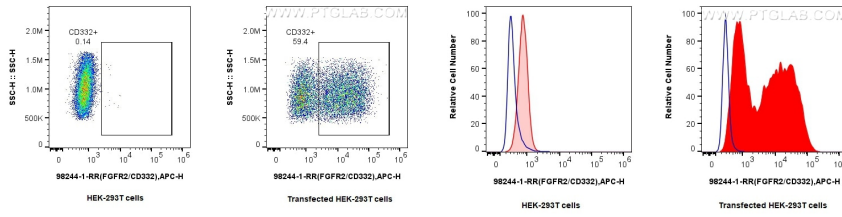
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

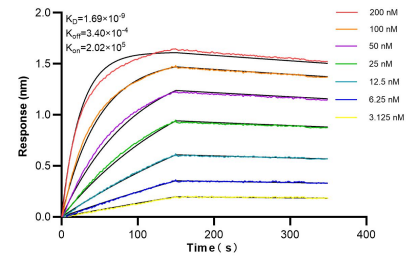
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## Selected Validation Data



1x10<sup>6</sup> HEK-293T cells or FGFR2/CD332 transfected HEK-293T cells were surface stained with 0.25 ug Anti-Human FGFR2/CD332 Rabbit Recombinant Antibody (98244-1-RR, Clone: 241383D11) and Multi-rAb CoraLite<sup>®</sup> Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were not fixed. This data was developed using the same antibody clone with 98244-1-PBS in a different storage buffer formulation.

1x10<sup>6</sup> HEK-293T cells (left) or FGFR2/CD332 transfected HEK-293T cells (right) were surface stained with 0.25 ug Anti-Human FGFR2/CD332 Rabbit Recombinant Antibody (98244-1-RR, Clone:241383D11) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and Multi-rAb CoraLite<sup>®</sup> Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were not fixed. This



Bi-layer interferometry (BLI) kinetic assays of 98244-1-RR against Human FGFR2/CD332 were performed. The affinity constant is 1.69 nM.