

For Research Use Only

Anti-Human FGFR2/CD332 Rabbit Recombinant Antibody

Catalog Number: 98244-1-RR



Basic Information

Catalog Number: 98244-1-RR	GenBank Accession Number: NM_000141.4	Purification Method: Protein A purification
Size: 100ug , 1000 µg/ml	GeneID (NCBI): 2263	CloneNo.: 241383D11
Source: Rabbit	UNIPROT ID: P21802	
Isotype: IgG	Full Name: fibroblast growth factor receptor 2	
	Calculated MW: 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

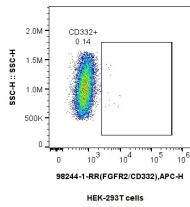
Storage:
Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

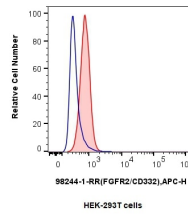
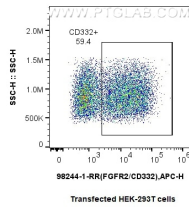
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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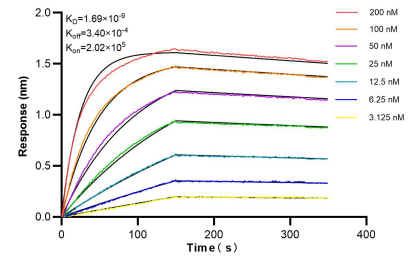
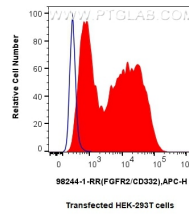
Selected Validation Data



1x10⁶ 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® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were not fixed.



1x10⁶ 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® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were not fixed.



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