

For Research Use Only

FcZero-rAb™ APC Anti-Human IGF1R/CD221 Rabbit Recombinant Antibody

Catalog Number: APC-FcA98144



Basic Information

Catalog Number: APC-FcA98144	GenBank Accession Number: BC113612	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 3480	CloneNo.: 241679A6
Source: Rabbit	Full Name: IGF I receptor	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG	Calculated MW: 1367 aa, 155 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

IGF1R, also named as CD221, is a receptor tyrosine kinase which mediates actions of INS-like growth factor 1 (IGF1). IGF1R binds IGF1 with high affinity and IGF2 and INS with a lower affinity, the activated IGF1R is involved in cell growth and survival control. It is crucial for tumor transformation and survival of malignant cells. IGF1R is a heterotetrameric receptor, composed of two alpha subunits (130 kDa each) and two beta subunits (~98 kDa each) (PMID: 6279656). Both the alpha and beta subunits are synthesized from a single mRNA precursor. The precursor is then glycosylated, proteolytically cleaved, and crosslinked by cysteine bonds.

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:

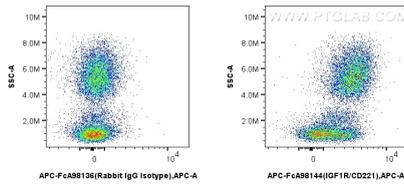
T: 4006900926

E: Proteintech-CN@ptglab.com

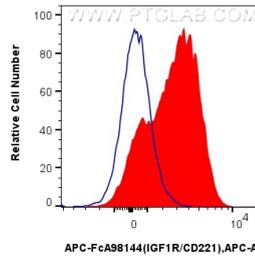
W: ptgcn.com

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Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 5 ul APC Anti-Human IGF1R/CD221 Rabbit RecAb (APC-FcA98144, Clone: 241679A6) or APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ human peripheral blood leukocytes were surface stained with 5 ul APC Anti-Human IGF1R/CD221 Rabbit RecAb (APC-FcA98144, Clone: 241679A6) (red), or APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.