

A Reliable Research Partner in Life Science and Medicine

Recombinant IGF1R/CD221 Monoclonal Antibody

catalog number: AN300050P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human

Immunogen Recombinant Human IGF1R / CD221 protein

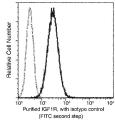
HostRabbitIsotypeIgGCloneA1160PurificationProtein A

Buffer 0.2 µm filtered solution in PBS

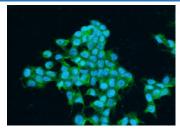
Applications Recommended Dilution

ICC/IF 1:20-1:100 FCM 1:25-1:100

Data



Flow cytometric analysis of human IGF1R expression on HeLa cells. Cells were stained with purified anti-Human IGF1R, then a FITC-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.



Immunofluorescence analysis of Human IGF1R in MCF7 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Rabbit anti-Human IGF1R Monoclonal Antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Antirabbit IgG secondary antibody (green). Positive staining was localized to cell membrane.

Rev. V1.2

Preparation & Storage

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

Background

This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

For Research Use Only

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