

## Anti-IGF1R/CD221 Antibody

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature  
Store at -20°C

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Anti-IGF1R/CD221 Antibody is a highly specific monoclonal antibody targeting the Type I Insulin-like Growth Factor Receptor (IGF-1R/CD221). By binding to the extracellular domain of IGF-1R, this antibody effectively blocks the interaction with its ligands IGF-1 and IGF-2, thereby inhibiting the activation of downstream PI3K/Akt and MAPK signaling pathways. It is a vital tool for researching tumor cell growth inhibition, apoptosis induction, and transmembrane signaling mechanisms.
Targets(IC50)	IGF-1R
In vitro	In cell-based assays, Anti-IGF1R/CD221 Antibody significantly inhibits IGF-1-induced receptor autophosphorylation and suppresses the proliferation of various human cancer cell lines, including breast and lung cancer [1].
In vivo	Systemic administration of the Anti-IGF1R/CD221 Antibody in tumor xenograft models leads to a marked reduction in tumor volume and induces a significant increase in cancer cell apoptosis [1].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481