

## Anti-IGF1R/CD221 Antibody (Teprotumumab)

### Introduction

Teprotumumab is a human monoclonal antibody that blocks the IGF-1 receptor (IGF-1R). Teprotumumab binds to the extracellular  $\alpha$ -subunit domain ligand of IGF-1R. Teprotumumab inhibits TSH and IGF-1 action in fibroblasts. Teprotumumab reduces TSH-dependent IL-6 and IL-8 expression and Akt phosphorylation. Teprotumumab can be used in the study of thyroid-related eye disease.

### Product parameters

Alternative Names	TEPEZZA, RO4858696-000, RO4858696
Target Accession	P08069
Target	IGF1R / CD221
CAS number	1036734-93-6
Molecular Weight	145.64 kDa
Host	CHO
Reactivity	Human, Mouse
Conjugation	Unconjugated
Form	Liquid
Concentration	See label
Buffer System	100 mM Pro 20 mM Arg pH 5.0. No preservative!
Clonality	Monoclonal
Purification	Protein A
Isotype	IgG1
Application	ELISA, FACS, Kinetics, Functional assay, Animal Model
Biological activity	Immobilized human IGF1R His at 2 ug/mL can bind Anti-IGF1R/CD221 Antibody (Teprotumumab), EC50=0.009199 ug/mL.
Endotoxin	Less than 0.1 EU/ug determined by LAL method.
Sterilization	0.2 $\mu$ M filtered
Reconstitution	For reconstitution, we recommend adding sterile, distilled water to achieve a final antibody concentration. Gently shake it to solubilize the protein completely. Do not vortex.
Shipping	Dry ice
Storage	-80°C
Expiration Date	2 years
Note	Please avoid freeze-thaw cycles.

## ■ Note

1. This product is for scientific research use only.



**APExBIO Technology**

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