

# Anti-IGF-1 hlgG1 Antibody (Xentuzumab)

## Product information

GM-88288AB-10	10 µg
GM-88288AB-100	100 µg
GM-88288AB-1000	1 mg

## Antibody Information

Species Reactivity	Human
Clone	Xentuzumab
Source/Isotype	Human IgG1, Lambda2
Application	Bioactivity-ELISA
Target	Detects IGF-1
Gene	IGF-1
Other Names	IGF, IGF-I, IGFI, MGF
Gene ID	3479 (Human)
Background	<p>The IGF-1 gene encodes insulin-like growth factor-1(IGF-1) , a multifunctional single-chain polypeptide produced by the liver under the stimulation of growth hormone, which is involved in the regulation of insulin secretion, it plays a key role in promoting cell proliferation, differentiation, regulating growth and development and metabolic balance. Its molecular structure is highly homologous to proinsulin and initiates the PI3K-AKT and Ras-MAPK signaling pathways through activation of the IGF-1 receptor (IGF-1R) , which is involved in insulin resistance, it regulates physiological processes such as bone growth, muscle synthesis, glucose and lipid metabolism, and neural development. IGF-1 level is affected by many factors, such as age, nutritional status, hormone level and disease status, and its abnormality is closely related to acromegaly opposite of microcephaly, diabetes, cardiovascular diseases and tumors.</p>
Storage	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Version:3.1

## Data Examples

### Bioactivity-ELISA

Human IGF-1 Protein; His Tag (Catalog # GM-87635RP) was immobilized at 1  $\mu\text{g/ml}$  (100  $\mu\text{L/well}$ ). Increasing concentrations of Anti-IGF-1 hIgG1 Antibody (Xentuzumab) (Catalog # GM-88288AB) were added.

### Bioactivity-ELISA

0.1  $\mu\text{g}$  Human IGF-1 Protein; His Tag of per well

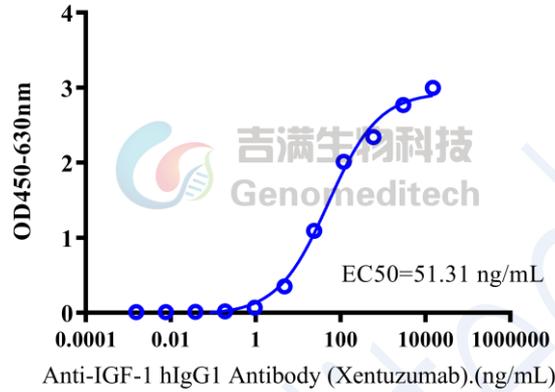


Fig. ELISA