

Teprotumumab ELISA Kit

SKU: GXEL00090 | Assay: Quantitative ELISA (Colorimetric)

The Teprotumumab ELISA Kit (SKU: GXEL00090) is a high-sensitivity quantitative ELISA for the quantitative measurement of Teprotumumab in Plasma, Serum. The assay covers a detection range of 62.5 ng/mL - 4, 000 ng/mL and is read colorimetrically at 450 nm.

Background: Teprotumumab is a human IgG1 monoclonal antibody directed against the insulin-like growth factor 1 receptor (IGF1R) that is used in the therapy of Graves ophthalmopathy (thyroid eye disease). Graves disease is an autoimmune disease associated with autoantibodies, hyperthyroidism and a distinctive form of eye disease marked by ocular inflammation and proptosis causing eye pain, dryness, redness, and swelling which if severe can cause diplopia (double-vision) and loss of vision. Graves ophthalmopathy is associated with autoantibodies to thyrotropin and hypertrophy of ocular fibroblasts which overexpress the IGF1 receptor. Teprotumumab causes inhibition of IGF1 binding to its receptor and preventing cell activation. IGF1 is a potent modulator of cell growth and inhibitor of programmed cell death, acting via the PI3K-AKT-mTOR pathway. The inhibition of IGF1 signaling decreases fibroblast proliferation and hypertrophy.

Specifications

Product Name	Teprotumumab ELISA Kit
SKU	GXEL00090
Accession	P08069
Alternative Names	RO4858696-000, 1036734-93-6
Assay Type	Quantitative
Detection Method	Colorimetric
Detection Range	62.5 ng/mL - 4, 000 ng/mL
Recovery	80-120%
Sample Types	Plasma, Serum
Storage	2-8°C. See Storage & Stability.
Note	For Research Use Only. Not for diagnostic procedures.

Storage & Stability

When the kit was stored at the recommended temperature for 6 months, the signal intensity decreased by less than 20%. For unopened kits, if you want to prolong the storage time, please store the Standard, Detection A, Detection B and Microplate at -20°C, the rest reagents should be store at 4°C. Store at 2-8°C on receipt; avoid repeated freeze-thaw cycles.

Assay Genie Ltd, 25 Windsor Place, Dublin 2, D02 VY42, Ireland | +353 1 563 9720 | www.assaygenie.com | techsupport@assaygenie.com
Datasheet: <https://store-h68l9z2lnx.mybigcommerce.com/content/Technical%20Manuals/ELISA/GXEL/GXEL00090.pdf> | Version 1.0, 09 July 2026