

Blosozumab ELISA Kit

SKU: **GXEL00242** | Assay: Quantitative ELISA (Colorimetric)

The Blosozumab ELISA Kit (SKU: GXEL00242) is a high-sensitivity quantitative ELISA for the quantitative measurement of Blosozumab in Plasma, Serum. The assay covers a detection range of 0.31-5 µg/mL with a sensitivity of 0.156 µg/ml and is read colorimetrically at 450 nm.

Background: Blosozumab is an IgG4-kappa type mouse monoclonal antibody optimized by humanization engineering with a molecular weight of 144.63 kDa. The monoclonal antibody was developed by Eli Lilly for the treatment of osteoporosis. Blosozumab can target and bind sclerostin (SOST) to play a biological role. In 2014, blosozumab was conducted a different doses of clinical trial about blosozumab was conducted to evaluate including drug safety, tolerance, pharmacokinetics and pharmacodynamics in postmenopausal women. The results showed that blosozumab had well tolerance and anabolic effect on bone, which could be used as a potential treatment for osteoporosis. In 2015, a randomized double-blind phase III trial of blosozumab in postmenopausal women with low bone mineral density showed that blosozumab treatment resulted in a significant dose-dependent increase in bone mineral density, which further supports the conclusion that blosozumab is a potential anabolic therapy for osteoporosis. In September of the same year, women who had completed treatment were followed up to evaluate the effect of discontinuation of blosozumab. It was found that there were no adverse events related to the treatment one year after the cessation of treatment, and the anti-drug antibodies in the patients generally decreased.

Specifications

Product Name	Blosozumab ELISA Kit
SKU	GXEL00242
Accession	Q9BQB4
Alternative Names	LY2541546, 1132758-87-2
Assay Type	Quantitative
Detection Method	Colorimetric
Sensitivity	0.156 µg/ml
Detection Range	0.31-5 µg/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

The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 10% prior to the expiration date under appropriate storage condition. Store at 2-8°C on receipt; avoid repeated freeze-thaw cycles.

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