

Zagotenemab ELISA Kit

SKU: GXEL00107 | Assay: Quantitative ELISA (Colorimetric)

The Zagotenemab ELISA Kit (SKU: GXEL00107) is a high-sensitivity quantitative ELISA for the quantitative measurement of Zagotenemab 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: Zagotenemab is a humanized anti-tau antibody derived from MCI-1, Peter Davies' mouse monoclonal antibody against an early pathological conformation of tau. Zagotenemab binds and neutralizes soluble tau aggregates. Preclinical studies in tau transgenic mice showed that immunotherapy with MCI-1 reduced levels of hyperphosphorylated insoluble tau levels and neurofibrillary pathology (Chai et al., 2011). At the 2017 AAIC meeting, Lilly presented data from surface plasmon resonance binding and ELISA assays to assess LY3303560's selectivity to aggregates over monomer and characterize its epitope. LY3303560 reportedly had high affinity to soluble tau aggregate in vitro, at a KD of below 220 picomolar, compared to monomer, KD of 235 nanomolar. The antibody reportedly recognizes a conformational epitope whose primary epitope is in tau's N-terminal region. Intravenous administration to monkeys indicated clearance of 0.15 ml/h/kg and a half-life of 13 days. SC administration indicated a bioavailability of 79 percent, and rat CSF concentration was 0.1 percent of plasma at 24 hours after IV administration (Alam et al., 2017).

Specifications

Product Name	Zagotenemab ELISA Kit
SKU	GXEL00107
Accession	P10636
Alternative Names	LY-3303560, 2019133-28-7
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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