

## Cinpanemab ELISA Kit

SKU: GXEL00186 | Assay: Quantitative ELISA (Colorimetric)

The Cinpanemab ELISA Kit (SKU: GXEL00186) is a high-sensitivity quantitative ELISA for the quantitative measurement of Cinpanemab 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:** Cinpanemab is a human-derived monoclonal antibody directed against  $\alpha$ -synuclein. Genetic and pathology evidence implicate this protein in the molecular pathogenesis of Parkinson's disease (PD) and other  $\alpha$ -synucleinopathies such as dementia with Lewy bodies (DLB). In 2010, Biogen licensed cinpanemab from Neurimmune. The antibody was generated with reverse translational medicine technology from naturally occurring, presumably protective antibodies found in healthy aged donors, as were aducanumab and other antibodies in the Biogen-Neurimmune partnership. The antibody, previously known as BIIB054, binds to  $\alpha$ -synuclein residues 1-10, with 800-fold higher affinity for aggregated over monomeric  $\alpha$ -synuclein. The antibody inhibits  $\alpha$ -synuclein spreading in cell-based assays, and slows pathology and motor symptoms in mice (Weihofen et al., 2019).

### Specifications

<b>Product Name</b>	Cinpanemab ELISA Kit
<b>SKU</b>	GXEL00186
<b>Accession</b>	P37840
<b>Alternative Names</b>	BIIB-054, 2094516-02-4
<b>Assay Type</b>	Quantitative
<b>Detection Method</b>	Colorimetric
<b>Sensitivity</b>	0.156 µg/ml
<b>Detection Range</b>	0.31-5 µg/mL
<b>Recovery</b>	80-120%
<b>Sample Types</b>	Plasma, Serum
<b>Storage</b>	2-8°C. See Storage & Stability.
<b>Note</b>	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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