

Lacnotuzumab ELISA Kit

SKU: GXEL00099 | Assay: Quantitative ELISA (Colorimetric)

The Lacnotuzumab ELISA Kit (SKU: GXEL00099) is a high-sensitivity quantitative ELISA for the quantitative measurement of Lacnotuzumab 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: Lacnotuzumab, as known as MCS110, is a novel, high-affinity, humanized, anti-CSF-1 monoclonal antibody that prevents CSF-1 from activating the CSF-1R. The drug is being developed by Novartis Europharm Limited. On 15 October 2014, orphan designation (EU/3/14/1350) was granted by the European Commission to Novartis for recombinant human monoclonal antibody of the IgG1 kappa class against human macrophage colony-stimulating factor for the treatment of tenosynovial giant cell tumor, localized and diffuse type. They conducted a phase 1 study to assess the safety and tolerability of administering single ascending doses and repeat doses of lacnotuzumab to healthy volunteers, and to examine the pharmacokinetics (PK), pharmacodynamics (PD), and mechanistic properties of lacnotuzumab. Nonclinical investigations of the mechanism of action of lacnotuzumab were also performed to explain the observed adverse events (AEs) profile associated with CSF-1 pathway inhibition. Lacnotuzumab was generally well tolerated. The majority of AEs were low grade, no unexpected or novel AEs were observed, and there were no discontinuations for AEs. Lacnotuzumab also showed dose-dependent, on-target effects on multiple downstream biomarkers. Preclinical investigations of the CK elevation and periorbital swelling observed after lacnotuzumab administration suggest that these are reversible, nonpathological events linked to inhibition of the CSF-1 pathway. These data support further evaluation of lacnotuzumab in clinical studies.

Specifications

Product Name	Lacnotuzumab ELISA Kit
SKU	GXEL00099
Accession	P09603
Alternative Names	MCS-110, 1831128-32-5
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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