

Necitumumab ELISA Kit

SKU: GXEL00023 | Assay: Quantitative ELISA (Colorimetric)

The Necitumumab ELISA Kit (SKU: GXEL00023) is a high-sensitivity quantitative ELISA for the quantitative measurement of Necitumumab 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: Necitumumab (IMC-11F8, LY3012211) is a second-generation fully human immunoglobulin (Ig) G1 kappa isotype monoclonal antibody (mAb) that acts as an antagonist to direct against the extracellular region of epidermal growth factor receptor (EGFR). It was developed by Eli Lilly & Co (Indianapolis, IN, USA) and produced in genetically engineered mammalian NS0 cells. It was first approved by the U.S. Food and Drug Administration (FDA) under the brand name Portrazza in 2015, for use in combination with cisplatin and gemcitabine as a first-line treatment for metastatic squamous non-small cell lung cancer (NSCLC). After that, it has gained the approval for marketing in the Europe Union and Japan respectively in 2016 and 2017. It is not indicated for treatment of non-squamous NSCLC. Currently, there are several ongoing clinical trials investigating necitumumab in the treatment of NSCLC in several different settings. It is currently being studied in combination with pre-existing agents, such as osimertinib, pembrolizumab, nabpaclitaxel, and carboplatin, as well as with new agents under investigation, abemaciclib and AZD9291. Necitumumab is currently being evaluated in the second-line setting following treatment failure or progression with front-line EGFR tyrosine kinase inhibitors (TKIs) and platinum-based chemotherapy.

Specifications

Product Name	Necitumumab ELISA Kit
SKU	GXEL00023
Accession	P00533
Alternative Names	11F8, IMC-11F8, LY3012211, 906805-06-9
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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