

Carlumab ELISA Kit

SKU: GXEL00121 | Assay: Quantitative ELISA (Colorimetric)

The Carlumab ELISA Kit (SKU: GXEL00121) is a high-sensitivity quantitative ELISA for the quantitative measurement of Carlumab 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: Carlumab, developed by Janssen Biotech, is a recombinant human IgG1 monoclonal antibody targeting CC chemokine ligand 2 (CCL2). The recombinant protein has been developed for the treatment of cancer and prostate cancer, and has also been studied in systemic sclerosis, atherosclerosis, diabetic nephropathy, liver fibrosis, and type 2 diabetes. In the beginning, phage display technology was used to confirm the high affinity between Carlumab and CCL2, which provided a basis for future clinical trials. In 2013, Carlumab was used to treat metastatic castrated prostate cancer and solid tumors. The anti-tumor activity of Carlumab was preliminarily determined through the study of its safety, tolerance, pharmacokinetics-pharmacodynamics and anti-tumor activity. Subsequently, some studies have evaluated the safety and efficacy of Carlumab in the treatment of (IPF) with idiopathic pulmonary fibrosis, but the results are not satisfactory. Due to the limited success rate of clinical trials, carlumab was discontinued in 2012.

Specifications

Product Name	Carlumab ELISA Kit
SKU	GXEL00121
Accession	P13500
Alternative Names	CNTO 888, 915404-94-3
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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