

# Carlumab ELISA Kit

## Summary

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<b>Catalog No.</b>	KDC97801
<b>Alternative Names</b>	CNTO 888, CAS: 915404-94-3
<b>Stability and Storage</b>	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.
<b>Detection method</b>	Colorimetric
<b>Sample type</b>	Plasma, Serum
<b>Assay type</b>	Quantitative
<b>Sensitivity</b>	0.156 µg/ml
<b>Range</b>	0.31-5 µg/mL
<b>Recovery</b>	80-120%
<b>Shipping</b>	2-8 °C
<b>Note</b>	For Research Use Only.

## Background

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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

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## Recombinant Proteins & Antibodies

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.

## Precision

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CV<20%

## Data Image

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