

Ascrinvacumab ELISA Kit

SKU: GXEL00185 | Assay: Quantitative ELISA (Colorimetric)

The Ascrinvacumab ELISA Kit (SKU: GXEL00185) is a high-sensitivity quantitative ELISA for the quantitative measurement of Ascrinvacumab 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: Ascrinvacumab, also known as PF-03446962 or anti-hALK1 antibody, is a human immunoglobulin G (IgG) 2 monoclonal antibody which can be used as therapeutic antibody drug for the treatment of many tumors. It has been found that the clinical trials of ascrinvacumab has been developed in cancers including advanced solid tumors, urothelial cell carcinoma, hepatocellular carcinoma, and mesothelioma. Ascrinvacumab can binding to ACVRL1 by recognizing the extracellular domain of ACVRL1. ACVRL1, also called activin receptor-like kinase 1 (ALK1), is a transforming growth factor β (TGF- β) type I receptor. Ascrinvacumab is a fully human monoclonal antibody generated by immunizing the IgG 2 transgenic Xenomouse. In a human/mouse chimera tumor model, ascrinvacumab decreased human vessel density and improved antitumor efficacy when combined with bevacizumab (anti-VEGF). It suggests that ascrinvacumab therapy may be complementary to anti-VEGF in cancer intervention. As early as 2012, researchers had investigated the effects of ascrinvacumab on endothelial cell function. And the results showed that ascrinvacumab do interferes with the endothelial cell sprouting induced by Bone Morphogenetic Protein 9 (BMP9). A phase 2 trial study of ascrinvacumab in pre-treated patients with urothelial cancer had been reported in 2014. In addition, its treatment results of advanced solid tumors, hepatocellular carcinoma, and advanced malignant pleural mesothelioma also had been reported in 2016. In addition to advanced malignant pleural mesothelioma, ascrinvacumab shows the value of continuing treatment evaluation in the other two diseases.

Specifications

Product Name	Ascrinvacumab ELISA Kit
SKU	GXEL00185
Accession	P37023
Alternative Names	PF-03446962, , 1463459-96-2
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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