

Dalotuzumab ELISA Kit

SKU: GXEL00087 | Assay: Quantitative ELISA (Colorimetric)

The Dalotuzumab ELISA Kit (SKU: GXEL00087) is a high-sensitivity quantitative ELISA for the quantitative measurement of Dalotuzumab 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: Dalotuzumab (MK-0646; h7C10), being developed by Merck & Co Inc under license from Pierre Fabre SA, is a recombinant humanized IgG1 mAb against the IGFR1 for the potential intravenous treatment of cancer. Preclinical studies have demonstrated that dalotuzumab acts by inhibiting IGF-1- and IGF-2-mediated tumor cell proliferation, IGFR1 autophosphorylation and Akt phosphorylation. In multiple cancer cell lines and in mouse xenograft models, dalotuzumab displayed significant antitumor activity, in particular against NSCLC and breast cancer. In addition, coadministration of dalotuzumab with other anticancer agents, such as taxanes, enhanced the in vitro and in vivo antitumor activity of dalotuzumab. Preliminary data from phase I clinical trials suggest that dalotuzumab is safe, well tolerated and significantly inhibits tumor proliferation. At the time of publication, several clinical trials evaluating dalotuzumab, alone and in combination with other anticancer agents, were ongoing in patients with various types of solid tumor and in patients with multiple myeloma. Although preliminary results appear promising, only future clinical and translational data will clarify the best clinical setting and treatment combinations for the optimal use of dalotuzumab in clinical practice.

Specifications

Product Name	Dalotuzumab ELISA Kit
SKU	GXEL00087
Accession	P08069
Alternative Names	MK-0646, 1005389-60-5
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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