

Dalotuzumab ELISA Kit

Catalogue No.: abx395047

Dalotuzumab ELISA Kit is a quantitative ELISA kit for detection of Dalotuzumab.

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.

Target: Dalotuzumab

Research Area: Biosimilars

Reactivity: Human

Tested Applications: ELISA

Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user.

Storage: Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual.

Validity: The validity for this kit is 6 months.

Stability: The stability of the kit is determined by the rate of activity loss. The loss rate is less than 5% within the expiration date under appropriate storage conditions. To minimize performance fluctuations, operation procedures and lab conditions should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same user throughout.

Test Range: 31.25 ng/ml - 2000 ng/ml

Sensitivity: < 51.5 ng/ml

Standard Form: Lyophilized

Detection Method: Colorimetric

Assay Type: Competitive

Datasheet

Version: 3.0.0

Revision date: 07 Sep 2025



Assay Data: Quantitative

Sample Type: Serum and plasma.

CAS Number: 1005389-60-5

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES.

The range and sensitivity is subject to change. Please contact us for the latest product information.

For accurate results, sample concentrations must be diluted to mid-range of the kit. If you require a specific range, please contact us in advance or write your request in your order comments.

Please note that our kits are optimised for detection of native samples, rather than recombinant proteins. We are unable to guarantee detection of recombinant proteins, as they may have different sequences or tertiary structures to the native protein.

For Reference Only