

Milatuzumab ELISA Kit

SKU: GXEL00069 | Assay: Quantitative ELISA (Colorimetric)

The Milatuzumab ELISA Kit (SKU: GXEL00069) is a high-sensitivity quantitative ELISA for the quantitative measurement of Milatuzumab 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: Milatuzumab is a new immunotherapeutic agent targeting CD74, a membrane protein preferentially expressed in hematopoietic cancers and some solid tumors. Broad expression and fast internalization makes CD74 an ideal target for cancer therapy. We reviewed published articles about CD74 and milatuzumab. We present a comprehensive review of CD74 functions and provide explanation of milatuzumab antitumor effects. This review describes CD74 protein biology with the emphasis on the role of CD74 in tumor survival and its new role in regulation of the Fas death receptor. The development of CD74 targeting therapies to induce tumor regression and cancer cell apoptosis is described and results of clinical trials are discussed. Milatuzumab shows selective binding and rapid internalization into CD74-positive cancer cells. Milatuzumab with and without conjugated toxins synergizes with other chemotherapeutic agents and elicits significant antitumor effects in mice. In a Phase I trial, milatuzumab showed no severe adverse effects in patients with relapsed/refractory multiple myeloma and it stabilized the disease in some patients for up to 12 weeks. Ongoing trials testing different treatment schedules of milatuzumab in chronic lymphocytic leukemia, non-Hodgkin's lymphoma and multiple myeloma indicate that milatuzumab shows no severe adverse effects in humans.

Specifications

Product Name	Milatuzumab ELISA Kit
SKU	GXEL00069
Accession	P04233
Alternative Names	CD74-DOX (ADC), MEDI-115, hLL1, hLL1-DOX (ADC), 899796-83-9
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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