

Afutuzumab ELISA Kit

SKU: GXEL00112 | Assay: Quantitative ELISA (Colorimetric)

The Afutuzumab ELISA Kit (SKU: GXEL00112) is a high-sensitivity quantitative ELISA for the quantitative measurement of Afutuzumab 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: Afutuzumab is a monoclonal antibody that targets the CD20 antigen expressed on the surface of pre-B and mature B lymphocytes. Upon binding to CD20, obinutuzumab mediates B-cell lysis through (1) engagement of immune effector cells (2) by directly activating intracellular death signaling pathways (direct cell death), and/or (3) activation of the complement cascade. The immune effector cell mechanisms include antibody-dependent cellular cytotoxicity (ADCC) and antibody-dependent cellular phagocytosis. As an antibody with reduced fucose content, obinutuzumab induces greater ADCC activity than rituximab in vitro using human cancer cell lines. Afutuzumab also demonstrated an increased ability to induce direct cell death when compared to rituximab. Afutuzumab binds to FcγRIII using purified proteins with a higher affinity than rituximab. Afutuzumab and rituximab bind with similar affinity to overlapping epitopes on CD20.

Specifications

Product Name	Afutuzumab ELISA Kit
SKU	GXEL00112
Accession	P11836
Alternative Names	GA101, RG7159, RO5072759, 949142-50-1
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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