

Afutuzumab ELISA Kit

Summary

Catalog No.	KDC90702
Alternative Names	GA101,RG7159,RO5072759,CAS: 949142-50-1
Stability and Storage	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.
Detection method	Colorimetric
Sample type	Plasma, Serum
Assay type	Quantitative
Sensitivity	0.156 µg/ml
Range	0.31-5 µg/mL
Recovery	80-120%
Shipping	2-8 °C
Note	For Research Use Only.

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

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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.

Precision

CV<20%

Data Image
