

Oleclumab ELISA Kit

SKU: **GXEL00157** | Assay: Quantitative ELISA (Colorimetric)

The Oleclumab ELISA Kit (SKU: GXEL00157) is a high-sensitivity quantitative ELISA for the quantitative measurement of Oleclumab 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: Oleclumab (as known as MEDI9447) is a human monoclonal antibody (mAb) being investigated for the treatment of various types of cancer like Solid Tumors, Pancreatic and Colorectal cancer. It is a monoclonal antibody against the ectoenzyme CD73 (cluster of differentiation 73), also known as 5'-nucleotidase (5'-NT; ecto-5'-nucleotidase; NT5E) with potential antineoplastic activity. This drug was developed by MedImmune, LLC and AstraZeneca plc. In contrast with many other cancer immunotherapy agents such as checkpoint inhibitors or T cell agonists, MEDI9447 drives changes in both myeloid and lymphoid infiltrating leukocyte populations within the tumor microenvironment. Changes include significant increases in CD8 effector cells and activated macrophages, as well as a reduction in the proportions of myeloid-derived suppressor cells (MDSC) and regulatory T lymphocytes. Furthermore, these changes correlate directly with responder and non-responder subpopulations within the arms of animal studies using syngeneic tumors. Data showing additive activity between MEDI9447 and other immune-mediated therapy antibodies demonstrates the importance of relieving adenosine-mediated immunosuppression within tumors.

Specifications

Product Name	Oleclumab ELISA Kit
SKU	GXEL00157
Accession	P21589
Alternative Names	MEDI-9447, , 1803176-05-7
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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