

Belantamab ELISA Kit

SKU: GXEL00196 | Assay: Quantitative ELISA (Colorimetric)

The Belantamab ELISA Kit (SKU: GXEL00196) is a high-sensitivity quantitative ELISA for the quantitative measurement of Belantamab 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: Belantamab mafodotin also known as GSK2857916 is a humanized, IgG1 antibody-drug conjugate (ADC) that binds specifically to BCMA. The parent anti-BCMA antibody (GSK2857914) is produced in an afucosylated form and is conjugated to the microtubule polymerization inhibitor MMAF, via a protease-resistant maleimidocaproyl (mc) linker, to produce the GSK2857916 ADC molecule. Upon binding to the cell surface, GSK2857916 is rapidly internalized and active cytotoxic drug (cys-mcMMAF) is released inside the cell causing cell-cycle arrest and apoptosis. Furthermore, the afucosylation of GSK2857916 leads to enhanced binding to FcγRIIIa receptors on the surface of immune effector cells, recruitment of immune cells, and antibody-dependent cellular cytotoxicity and phagocytosis (ADCC and ADCP, respectively). This dual mechanism of action enables improved efficacy by targeting both dividing (via ADC) and non-dividing (via ADCC/ADCP) tumor cells. Recently, belantamab mafodotin was approved under the name BLENREP in the United States and European Union for the treatment of patients with relapsed or refractory multiple myeloma.

Specifications

Product Name	Belantamab ELISA Kit
SKU	GXEL00196
Accession	Q02223
Alternative Names	2857916, GSK2857916, J6M0, J6M0-mcMMAF, 2061894-48-0
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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