

## Belantamab ELISA Kit

Catalogue No.: abx395125

Belantamab ELISA Kit is a quantitative ELISA kit for detection of Belantamab.

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.

**Target:** Belantamab

**Reactivity:** Human

**Tested Applications:** ELISA

**Recommended dilutions:** Optimal dilutions/concentrations should be determined by the end user.

**Storage:** Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual.

**Validity:** The validity for this kit is 6 months.

**Stability:** The stability of the kit is determined by the rate of activity loss. The loss rate is less than 5% within the expiration date under appropriate storage conditions. To minimize performance fluctuations, operation procedures and lab conditions should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same user throughout.

**Test Range:** 156.25 ng/ml - 10000 ng/ml

**Sensitivity:** < 103 ng/ml

**Standard Form:** Lyophilized

**Detection Method:** Colorimetric

**Assay Type:** Competitive

**Assay Data:** Quantitative

# Datasheet

Version: 5.0.0

Revision date: 12 Jun 2025



**Sample Type:** Serum and plasma.

**CAS Number:** 2061894-48-0

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES.

The range and sensitivity is subject to change. Please contact us for the latest product information. For accurate results, sample concentrations must be diluted to mid-range of the kit. If you require a specific range, please contact us in advance or write your request in your order comments. Please note that our kits are optimised for detection of native samples, rather than recombinant proteins. We are unable to guarantee detection of recombinant proteins, as they may have different sequences or tertiary structures to the native protein.

For Reference Only