SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION

Applications	Payload-mediated cytotoxicity-based antibody internalization reagent
Detection method	Cell viability detection with MTT, CCK8, or CTG
Molecular Weight	The product has a MW of 34 kDa
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
IgG type	The DiTagTM MMAE IgG labeling reagents can be used for human IgG1, IgG2 and IgG4, rabbit IgG, mouse IgG2a and IgG2b.
Recommended Dilutions	We recommend test antibody to mix with AME100003 at 2:1 in molar
Description	DiTagTM MMAE IgG labeling reagent
Delivery	in Stock
Storage & Shipping	The reagents are supplied in lyophilized form. We recommend storing the vial(s) at -20℃, desiccated and protected from light. Once reconstituted, the reagents can be stored at 2-8℃ for 1~2 weeks, or with 50% glycerol at -20℃.
Background	DiTag™ MMAE IgG labeling reagents provide an easy solution for quantifying antibody internalization activities. Leveraging VcMMAE (MC-VC-PABC-MMAE) conjugated to an Fc binding protein, these reagents bind to IgG antibodies from various species, resulting in the formation of a VcMMAE-labeled antibody-reagent complex. Upon antibody internalization, the cleavable linker MC-VC-PABC is enzymatically cleaved by cathepsin B, a protein overexpressed in multiple cancer types. This enzymatic cleavage triggers the release of PABC-substituted MMAE, forming an unstable intermediate that liberates the free drug. Measurement of cell killing or inhibition allows researchers to evaluate the efficiency of antibody internalization into cells. This critical information enhances our understanding of the cellular uptake mechanism of antibodies and aids in assessing their efficacy in targeted therapies or diagnostic applications.
Usage	Research use only

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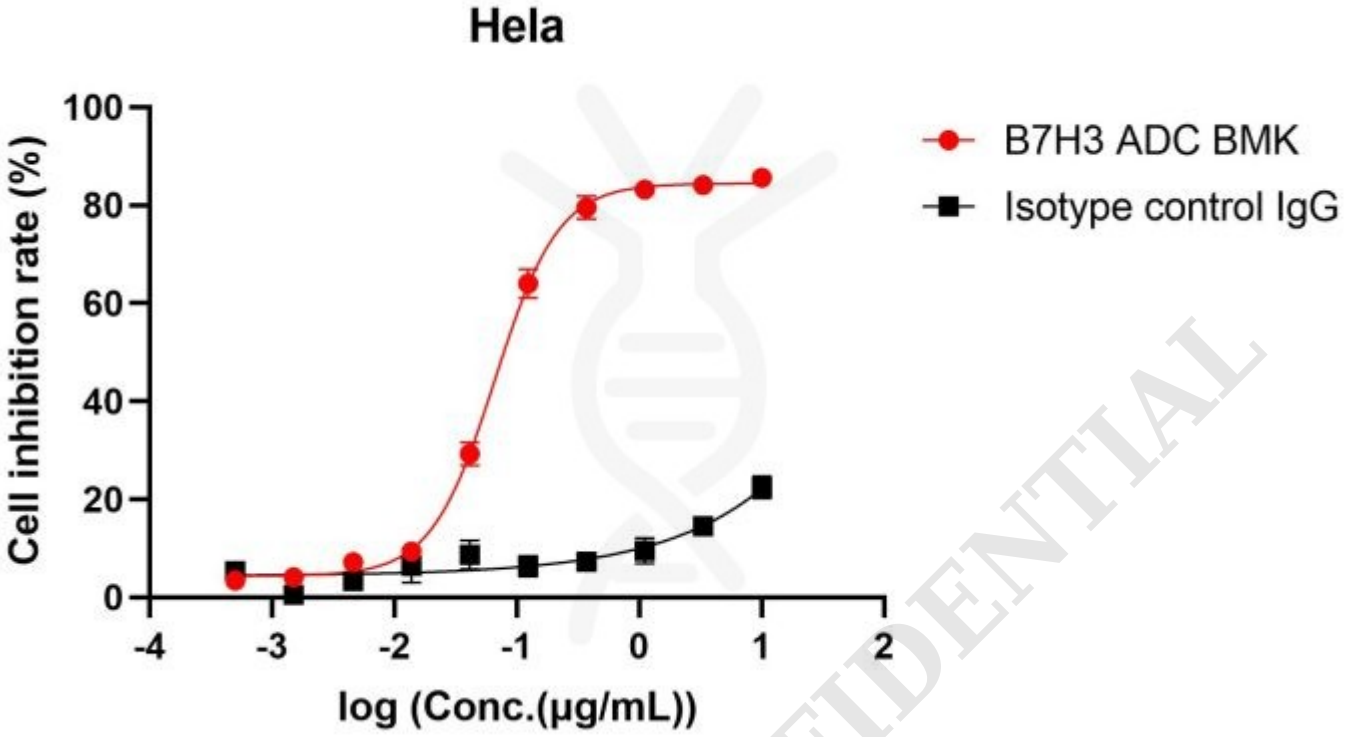

Figure 1. Cell inhibition rate of Hela detected by CCK8 method. The IC50 of B7H3 ADC BMK is 66ng/ml, indicating specific internalization.

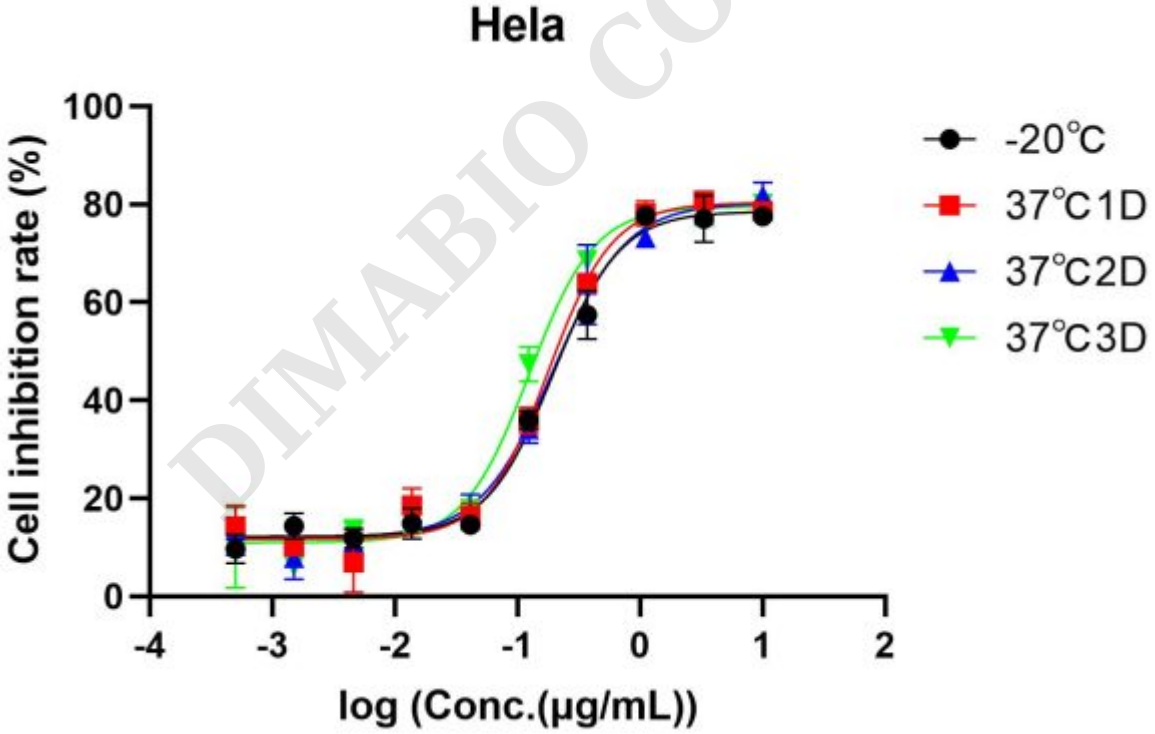

Figure 2. Accelerated stability test of AME100003. Following lyophilization, samples were stored at -20°C (black), 37°C for 1 day (red), 37°C for 2 days (blue), and 37°C for 3 days (green), separately. Upon reconstitution, the cell inhibition rate of each sample was determined using the CCK8 method. The data indicate excellent stability for all samples.

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