

# Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 (MALS verified)

Catalog # MME-M5252



BIOSYSTEMS  
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## Source

Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 is a Mouse monoclonal antibody recombinantly expressed from HEK293 cells.

## Species

Mouse

## Isotype

Mouse IgG1 | Mouse kappa

## Conjugate

Unconjugated

## Antibody Type

Recombinant Monoclonal

## Reactivity

Chemical

## Immunogen

MMAE.

## Specificity

Specifically recognizes the target-MMAE&MMAF.

## Application

Application	Recommended Usage
ELISA	0.1-12.5 ng/mL

## Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

## Purification

Protein A purified/ Protein G purified

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

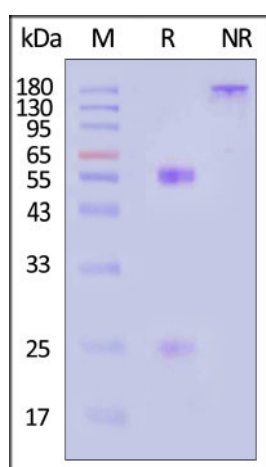
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

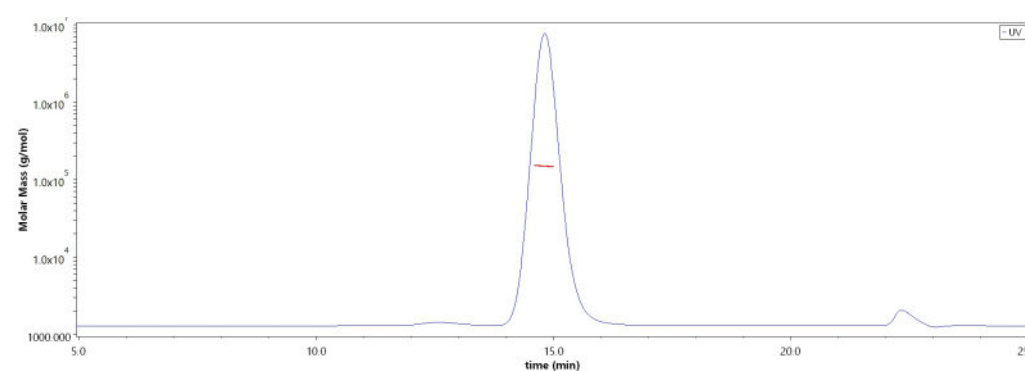
- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 12 months under sterile conditions after reconstitution.

## SDS-PAGE



Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained

## SEC-MALS



The purity of Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 (Cat. No. MME-M5252) is more than 90% and the molecular weight of this protein is around 134-163 kDa verified by SEC-MALS.

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8/22/2024

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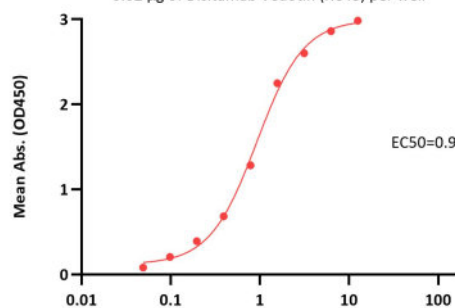
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with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

[Report](#)

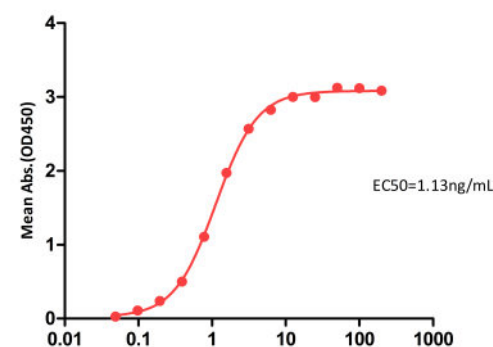
## Bioactivity-ELISA

Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 (MALS verified) ELISA  
0.02 µg of Disitamab Vedotin (RC48) per well



Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 (MALS verified) Conc. (ng/mL)

Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 (MALS verified) ELISA  
0.2 µg of ADC-MMAF per well

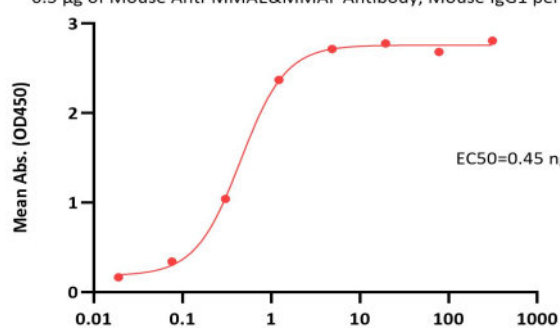


Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 (MALS verified) Conc. (ng/ml)

Immobilized Disitamab Vedotin (RC48) at 0.2 µg/mL (100 µL/well) can bind Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 (Cat. No. MME-M5252) with a linear range of 0.1-2 ng/mL (QC tested).

Immobilized ADC-MMAF at 2 µg/mL (100 µL/well) can bind Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 (Cat. No. MME-M5252) with a linear range of 0.5-1.56 ng/mL (Routinely tested).

Mouse Anti-MMAE&MMAF Antibody, Mouse IgG1-Bridging ELISA  
0.5 µg of Mouse Anti-MMAE&MMAF Antibody, Mouse IgG1 per well



Disitamab Vedotin (RC48) diluted with 50% Mouse Serum Conc. (ng/mL)

Immobilized Mouse Anti-MMAE&MMAF Antibody, Mouse IgG1 (Cat. No. MME-M5252) at 5 µg/mL, add Disitamab Vedotin (RC48) in the 50% Mouse serum and then add Biotinylated Human Her2, His,Avitag, premium grade (Cat. No. HE2-H82E2) at 0.5 µg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (Routinely tested).

## Background

Monomethyl auristatin E (MMAE) is a synthetic derivative of dolastatin 10 and functions as a potent mitotic inhibitor by inhibiting tubulin polymerization. MMAE is widely used as a cytotoxic component of antibody-drug conjugates (ADCs) to treat several different cancer types. Anti-MMAE antibody is a Mouse monoclonal antibody. This antibody has been shown to work in applications such as: PK, PD, Immunoassay and ELISA.

## Clinical and Translational Updates

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