

Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1

Catalog # MME-M5252



Source

Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 is a recombinant mouse monoclonal antibody expressed in HEK293 cells.

Antibody Type

Recombinant Monoclonal

Isotype

Mouse IgG1, Kappa

Immunogen

MMAE

Specificity

Specifically recognizes the target-MMAE&MMAF.

Application

Application	Recommended Usage
ELISA	1:4000-1:40000

Purification

Protein A purified / Protein G purified.

Concentration

Please refer to the Certificate of Analysis (CoA).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4), with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

Shipping

Lyophilized product is shipped at ambient temperature.

Storage

For long term storage, the product should be stored in a 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.

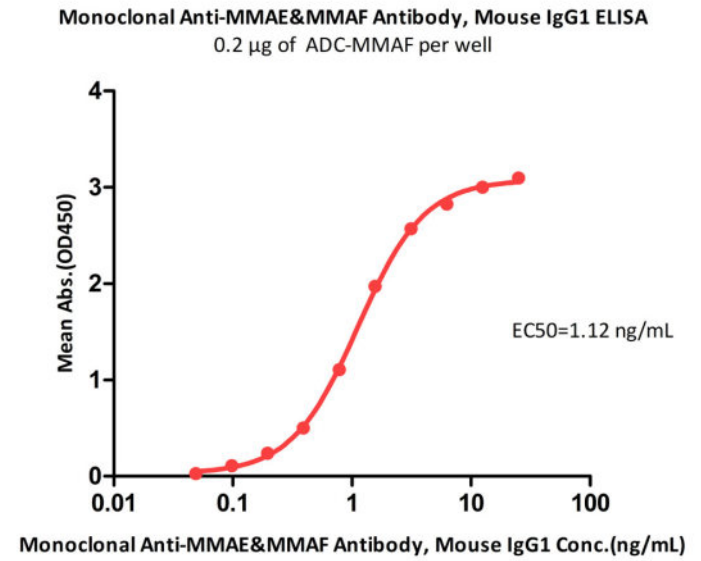
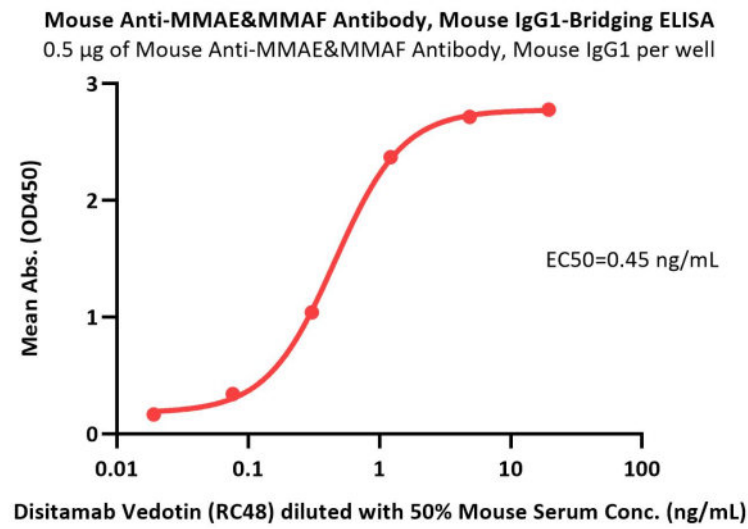
Notices

Product Specific Notices: For research use only.

ACRO Quality Management System

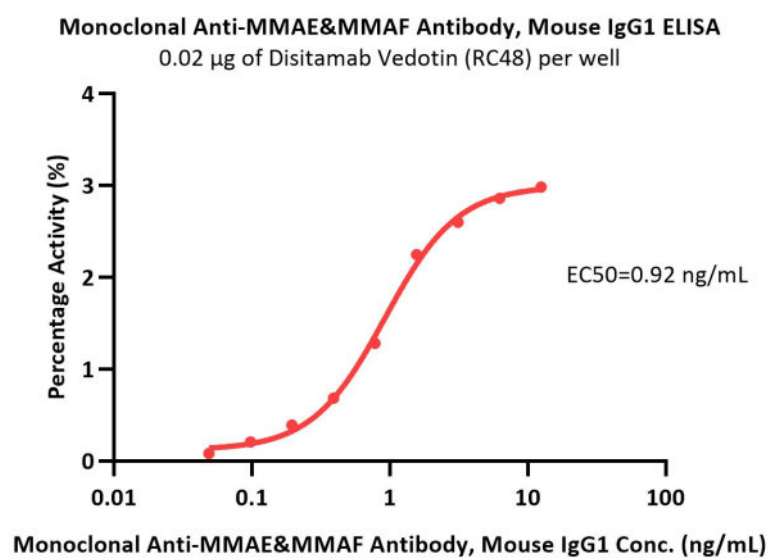
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

Bioactivity-ELISA



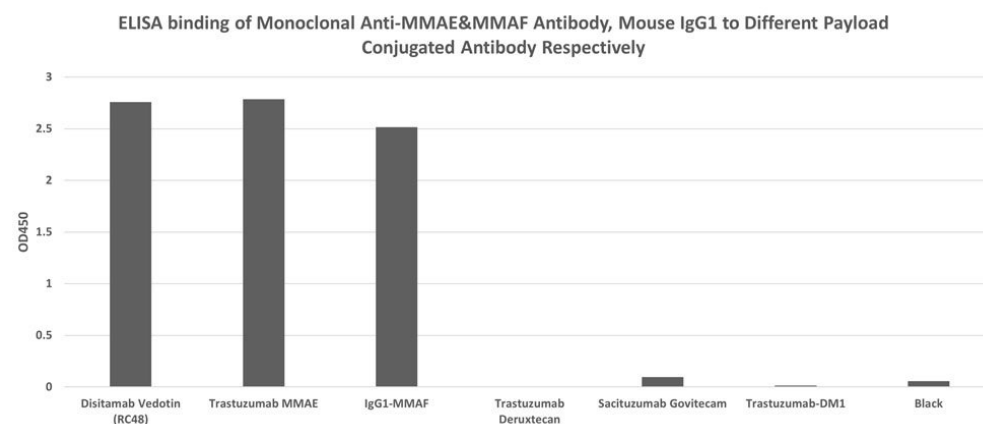
Immobilized Mouse Anti-MMAE&MMAF Antibody, Mouse IgG1 (Cat. No. MME-M5252) at 5 µg/mL, add Disitamab Vedotin (RC48) in the 50% Mouse serum and then add Biotinylated Human Her2, His, Avitag, premium grade (Cat. No. HE2-H82E2) at 0.5 µg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro,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



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 (Routinely tested).

Cross Verification



ELISA binding of Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 (Cat. No. MME-M5252) with Trastuzumab Deruxtecan, IgG1-MMAF, Sacituzumab Govitecam, Disitamab Vedotin (RC48), Trastuzumab MMAE and Trastuzumab-DM1 conjugated antibody respectively.

The coating antibody was Monoclonal Anti-MMAE&MMAF Antibody, Mouse IgG1 (Cat. No. MME-M5252), used at 1 µg/mL concentration. The primary antibody were different payload conjugated antibodies, including Trastuzumab Deruxtecan, IgG1-MMAF, Sacituzumab Govitecam, Disitamab Vedotin (RC48), Trastuzumab MMAE and Trastuzumab-DM1 conjugated antibodies used at 0.5 µg/mL concentration. The secondary antibody was Peroxidase AffiniPure Goat Anti-Human IgG, Fcγ fragment specific (min X Bov, Hrs, Ms Sr Prot) (Jackson, Cat. No. 109-035-098) used at 1:12000 concentration.

Monoclonal Anti-MMAE and MMAF Antibody, Mouse IgG1 (Cat. No. MME-M5252) specifically recognizes the MMAE and MMAF payloads. In this assay, it shows binding to ADCs carrying MMAE or MMAF (Disitamab Vedotin (RC48), Trastuzumab MMAE, and a model IgG1-MMAF conjugate), and shows no cross-reactivity with ADCs carrying different payloads (Trastuzumab Deruxtecan (DXd), Sacituzumab Govitecan (SN-38), and Trastuzumab-DM1) under the tested conditions (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.

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