

Anti-MMAF Antibody [A5G12]

HA600034



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Species independent
Applications:	ELISA
Clone number:	A5G12

Description: Monomethyl auristatin F (MMAF) is a synthetic antineoplastic agent. It is part of the approved drug belantamab mafodotin in multiple myeloma and some experimental anti-cancer antibody-drug conjugates such as vorsetuzumab mafodotin and SGN-CD19A. In International Nonproprietary Names for MMAF-antibody-conjugates, the name mafodotin refers to MMAF plus its attachment structure to the antibody. Monomethyl auristatin F is an antimitotic agent which inhibits cell division by blocking the polymerisation of tubulin. It is linked to an antibody with high affinity to structures on cancer cells, causing MMAF to accumulate in such cells. MMAF is actually desmethyl-auristatin F; that is, the N-terminal amino group has only one methyl substituent instead of two as in auristatin F itself.

Immunogen: MMAF coupled with OVA.

Recommended Dilutions:
ELISA 1:5,000-1:20,000

Storage Buffer: 1*PBS.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Protein G affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

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Images

ELISA Binding Assay of MMAF Antibody A5G12 to Different Proteins

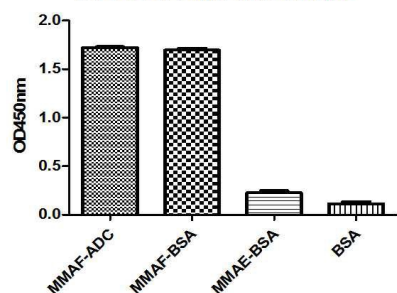


Fig1: The binding activity of (HA600034) with MMAF-ADC, MMAF-BSA, MMAE-BSA and BSA protein at 1 $\mu\text{g/ml}$ overnight at 4 $^{\circ}\text{C}$. Then blocked with 1% BSA for 1 hour at 37 $^{\circ}\text{C}$, and incubated with the primary antibody () for 1 hour at 25 $^{\circ}\text{C}$.

Mouse anti-MMAF Ab (HA600034) can bind to MMAF-ADC or MMAF-BSA but not BSA or MMAE-BSA.

Down ELISA Binding Assay of anti-MMAF Antibody A5G12 to MMAF Proteins

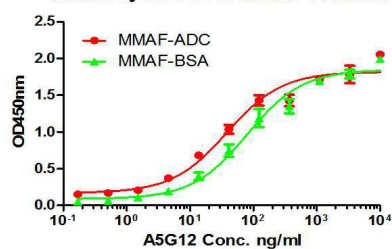


Fig2: Down ELISA Binding Assay of anti-MMAF Antibody A5G12(HA600034) to MMAF-ADC and MMAF-BSA. The mouse mAb works fine with ELISA assay for measuring MMAF derivative ADC.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Yu-Tzu Tai, et al. Novel anti-B-cell maturation antigen antibody-drug conjugate (GSK2857916) selectively induces killing of multiple myeloma. *Blood*. 2014 May 15; 123(20): 3128–3138. doi: 10.1182/blood-2013-10-535088. PMID: 24569262.

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