

Product datasheet for **TA421208**

DM1 Rabbit Monoclonal Antibody [Clone ID: 14E3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	14E3
Applications:	ELISA
Recommended Dilution:	ELISA 1:5000-10000
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Reconstitution Method:	Reconstitute with sterile, low-endotoxin water. See the COA for more details
Concentration:	Lot specific
Purification:	Purified from cell culture supernatant by affinity chromatography
Conjugation:	Unconjugated
Storage:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing)
Stability:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background:	DM1, also known as mertansine, represents a promising class of ADCs. As a microtubulin inhibitor, DM1 disrupts microtubule assembly by binding to tubulin at the rhizoxin binding site. The ingenious concept behind ADCs involves coupling DM1 to a monoclonal antibody, enabling targeted delivery to tumor cells. Notably, trastuzumab emtansine (T-DM1) has already gained approval for HER2-positive breast cancer treatment, exemplifying the potential of DM1-based ADCs in precision oncology.

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Product images:

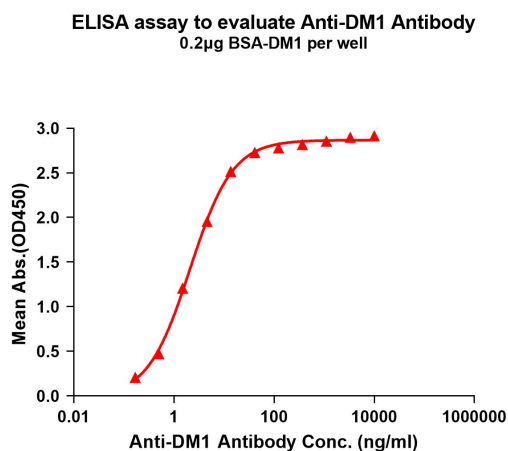


Figure 1. Elisa plates were pre-coated with BSA-DM1 (0.2µg/per well). Serial diluted anti-DM1 monoclonal antibody (TA421208) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-DM1 monoclonal antibody binding with BSA-DM1 is 2.110ng/ml.