

## Anti-DM1 [06CT8.1.1.1] Bulk Size Ab04093-23.0-BT

**Isotype and Format:** Rabbit IgG, Lambda

**Clone Number:** 06CT8.1.1.1

**Alternative Name(s) of Target:** Mertansine; Maytansinoid

**UniProt Accession Number of Target Protein:**

**Published Application(s):** ELISA

**Published Species Reactivity:** Species independent

**Immunogen:** The original antibody was generated by immunizing BALB/c mice with DM1-cysteine-KLH conjugate.

**Specificity:** This antibody binds maytansine (DM1), a thiol-containing maytansinoid which is a highly potent microtubule-targeted compound that induces mitotic arrest and kills tumor cells at subnanomolar concentrations. The potent cell killing ability of maytansine can be used in a targeted delivery approach, such as an antibody-drug conjugate (ADC), for the selective delivery of the drug and destruction of cancer cells. ADCs with this design include trastuzumab emtansine, lorvotuzumab mertansine, and cantuzumab mertansine.

**Application Notes:** The binding reactivity of this antibody towards BSA-DM1 was determined using ELISA. This antibody is recommended for detection of antibody-drug conjugates containing DM1 (CN114276448).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

### Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.