

## Anti-EPCAM [B38.1] Standard Size Ab01197-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

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

**Clone Number:** B38.1

**Alternative Name(s) of Target:** DIAR5; epithelial cell adhesion molecule; ESA; KSA; M4S1; MK-1; EGP-2; ING-1

**UniProt Accession Number of Target Protein:** P16422

**Published Application(s):** RIA, ELISA

**Published Species Reactivity:** Human

**Immunogen:** Mice were immunized with membrane-enriched fractions of human metastatic mammary carcinoma cells. The spleens were extracted and fused with NS-1 to generate primary hybridoma cultures. These were screened using solid phase RIA for those which were reactive with metastatic mammary tumor cells from livers but were not reactive with healthy livers.

**Specificity:** Reactive against 80% of primary mammary tumors. Has a binding constant in the nM range.

**Application Notes:** Has been used to generate a human engineered monoclonal antibody (Ammons et al, 2003). B38.1 has been shown to be able to mediate antibody-dependent cytotoxicity (Robinson et al, 1991). It has undergone clinical trials as an anti-carcinoma drug (de Bono et al, 2002 and Better et al, 2002). It has also been used in ELISAs to test the reactivity of its humanised construct, ING-1, that it has an affinity in the nM range by competition assays, and it has been shown to be active in vivo (Ammons et al, 2003).

**Antibody First Published in:** Colcher et al Monoclonal antibodies reactive with human breast cancer Proc Natl Acad Sci U S A. 1981 May;78(5):3199-203 [PMID:6789331](#)

**Note on publication:** Describes the formation of this antibody and others against metastatic mammary carcinoma cells. Describes the characterisation of these antibodies including identifying a number of carcinoma types, other than mammary, that they are reactive against.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.