

## Anti-MUC1 [HMFG2] Standard Size Ab00712-1.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors. Developed in partnership with Ximbio

([www.ximbio.com](http://www.ximbio.com)).

**Isotype and Format:** Mouse IgG1, Fc Silent™, Lambda

**Clone Number:** HMFG2

**Alternative Name(s) of Target:** Muc-1

**UniProt Accession Number of Target Protein:** P15941

**Published Application(s):** ELISA, IHC, Imaging

**Published Species Reactivity:** Human

**Immunogen:** High-MW glycoprotein of the human milk fat globule.

**Specificity:** This antibody recognises MUC1, a tumor associated antigen which is expressed in >90% ovarian carcinomas. This antigen is a high molecular weight (M, 80,000-200,000) glycoprotein.

**Application Notes:** This antibody binds to MUC1, an antigen widely expressed on breast cancer cells. This antibody antibodies react strongly with malignant epithelial cells but not with normal mesothelial or endothelial cells.

**Antibody First Published in:** Taylor-Papadimitriou Monoclonal antibodies to epithelium-specific components of the human milk fat globule membrane: production and reaction with cells in culture. Int J Cancer. 1981 Jul 15;28(1):17-21. [PMID:7309278](#)

**Note on publication:** Describes the generation and initial characterisation of the specificity of this antibody to breast cancer cells.

## 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.