

## Breast Epithelial Mucin Recombinant Antibody | BEM recombinant antibody

Anti-Breast Epithelial Mucin [Mc5]

|                              |                            |                              |
|------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA71988</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|------------------------------|----------------------------|------------------------------|

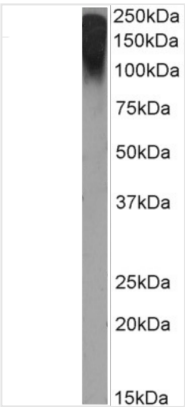
### PRODUCT SYNONYMS

Breast Epithelial Mucin; Monoclonal Recombinant Antibody; Anti-Breast Epithelial Mucin [Mc5]; BEM recombinant antibody

### PRODUCT SPECIFICATIONS

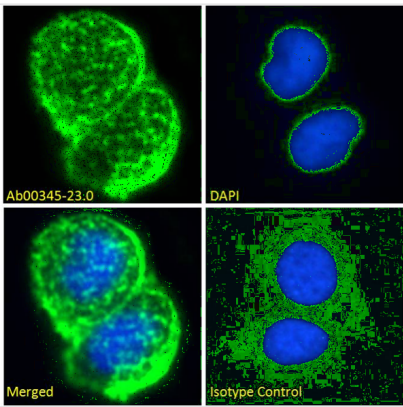
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|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                           | Human                                                                                                                                                                                   |
| Clonality                                            | Monoclonal                                                                                                                                                                              |
| Isotype                                              | Rabbit IgG, Kappa                                                                                                                                                                       |
| Clone Number                                         | Mc5                                                                                                                                                                                     |
| Specificity                                          | Specifically binds BEM.                                                                                                                                                                 |
| Purity/Purification                                  | Protein A Affinity Purified                                                                                                                                                             |
| Concentration                                        | 1 mg/ml (varies by lot)                                                                                                                                                                 |
| Applicable Applications for BEM recombinant antibody | ELISA                                                                                                                                                                                   |
| Immunogen                                            | Human breast epithelial mucin.                                                                                                                                                          |
| Buffer Composition                                   | PBS only with 0.02% Proclin 300.                                                                                                                                                        |
| Chimeric Use Statement                               | This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2 format, for improved compatibility with existing reagents, assays and techniques. |
| Labeled Substance                                    | None                                                                                                                                                                                    |
| Preparation and Storage                              | Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.                                                                                          |

IMAGES



WB (Western Blot)

Western Blot using anti-breast epithelial mucin antibody Mc5 (Ab00345) MCF7 cell lysate (35ug protein in RIPA buffer) was resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit IgG version of Mc5 (Ab00345-23.0) at 2 ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected running size for unmodified breast epithelial mucin is 122.1kDa, but this protein is heavily glycosylated and lipidated at several positions leading to the observed running size.



IF (Immunofluorescence)

Immunofluorescence staining of fixed MCF7 cells with anti-Breast epithelial mucin antibody Mc5 (Ab00345) Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells permeabilized with 0.15% Triton and stained with the chimeric mouse IgG1 version of Mc5 (Ab00345-23.0) at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom Ab00345-23.0, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-unknown specificity antibody (Ab178-23.0) followed by Alexa Fluor® 488 secondary antibody.

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                   |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for BEM recombinant antibody | Recombinant monoclonal antibody to Breast epithelial mucin. Manufactured using a proprietary Recombinant Platform with variable regions (i.e. specificity) from the hybridoma Mc5. Human breast epithelial mucin. |
| Product Categories/Family for BEM recombinant antibody   | Cancer                                                                                                                                                                                                            |
| References                                               | Christian et al. 1996. Cloning and expression of cDNAs encoding the variable domains of the anti-breast carcinoma antibody Mc5. Hybridoma 1996; 15(2):155-158 PMID:8743296                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/breast-epithelial-mucin-recombinant-antibody-clone-mc5-elisa/71988>