# Mammaglobin (SCGB2A2) (Breast Cancer Marker) Antibody

Mouse Monoclonal Antibody [Clone MGB/4056]

| Catalog No | Format | Size |
|---|---|---|
| 4250-MSM6-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 4250-MSM6-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 4250-MSM6-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

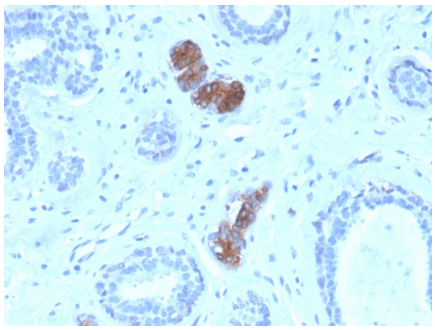
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

## Product Details

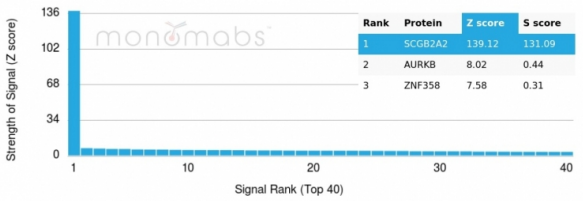
| | |
|---|---|
| **Clone** | MGB/4056 |
| **Gene Name** | SCGB2A2 |
| **Immunogen** | Recombinant full-length human SCGB2A2 (Mammaglobin-1) protein |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 18kDa |
| **Cellular Localization** | Secreted |
| **Species Reactivity** | Human |
| **Positive Control** | HeLa or MCF-7 cells. Mammary gland specific. Overexpressed in breast cancer. |

**Optimal dilution for a specific application should be determined.*

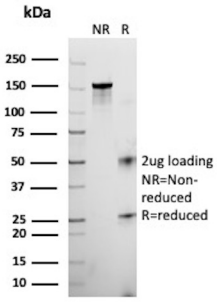
## Product Images for Mammaglobin (SCGB2A2) (Breast Cancer Marker) Antibody



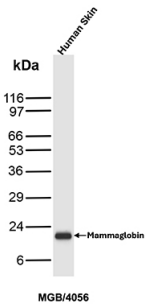
Formalin-fixed, paraffin-embedded human breast carcinoma stained with Mammaglobin Mouse Monoclonal Antibody (MGB/4056).



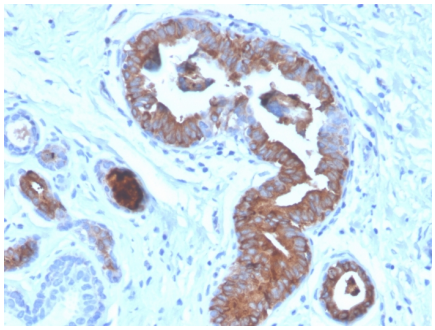

Analysis of Protein Array containing more than 19,000 full-length human proteins using Mammaglobin Mouse Monoclonal Antibody (MGB/4056). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.




SDS-PAGE Analysis of Purified MGB Mouse Monoclonal Antibody(MGB/4056). Confirmation of Integrity and Purity of Antibody




Western blot analysis of human skin tissue lysates using Mammaglobin Mouse Monoclonal Antibody (MGB/4056).



Formalin-fixed, paraffin-embedded human breast carcinoma stained with Mammaglobin Mouse Monoclonal Antibody (MGB/4056).

## Specificity & Comments

Mammaglobin is a 93 amino acid glycoprotein with homology to other secretoglobin-uteroglobin family members. It was originally identified as a breast cancer restricted biomarker by differential screening. Mammaglobin related to secretoglobin family that includes human uteroglobin and lipophilin. Mammaglobin antibody stains cytoplasm of normal breast epithelial cells as well as primary and metastatic breast carcinomas. Mammaglobin expression is absent in prostate, kidney, colon, rectum, small intestine, stomach, pancreas, lung, and thyroid tissues.Mammaglobin may be used as part of an immunohistochemical panel for determination of metastatic breast carcinoma and tumor of unknown primary origin.

## Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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