

Mouse Mammaglobin Monoclonal Antibody | anti-MGB1 antibody

Mammaglobin (SCGB2A2) (Breast Cancer Marker)

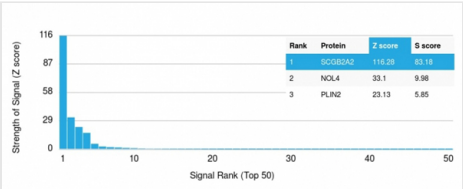
CATALOG # AAA214664	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Mammaglobin; Monoclonal Antibody; Mammaglobin (SCGB2A2) (Breast Cancer Marker); Mammaglobin-1 (MGB1); Mammaglobin-A; Secretoglobin family 2A member 2 (SCGB2A2); SG2A2; UGB2; anti-MGB1 antibody

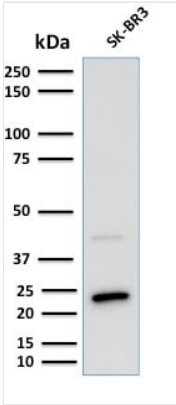
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	MGB1/2000
Specificity	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.
Form/Format	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.
Sequence Length	93
Applicable Applications for anti-MGB1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human Mammaglobin (SCGB2A2) protein
Cellular Localization	Cytoplasmic, Cell Surface and Nuclear
Hu-chromosome Location	11q12.3
Positive Control	SK-BR-3 cells or Breast Carcinoma



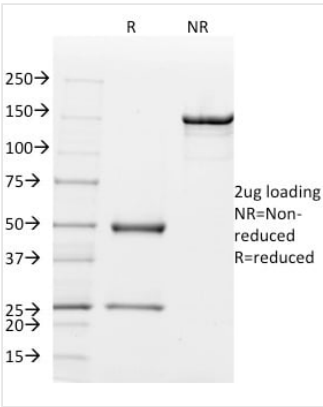
Application Data

Analysis of Protein Array containing >19, 000 full-length human proteins using Mammaglobin (SCGB2A2) Mouse Monoclonal Antibody (MGB1/2000) 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.



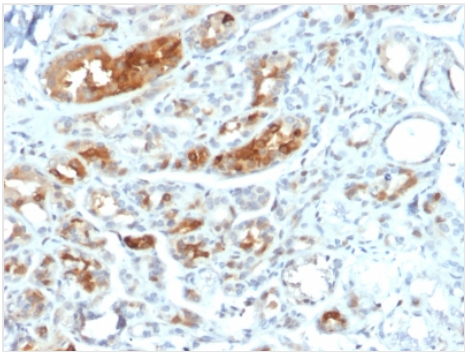
WB (Western Blot)

Western Blot Analysis of human SK-BR3 cell lysate using Mouse Monoclonal Antibody (MGB1/2000) to Mammaglobin.



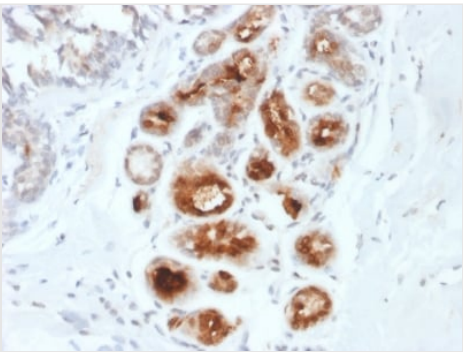
SDS-PAGE

SDS-PAGE Analysis Purified Mouse Monoclonal Antibody (MGB1/2000) to Mammaglobin. Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Monospecific Mouse Monoclonal Antibody (MGB1/2000) to Mammaglobin.



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Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Monospecific Mouse Monoclonal Antibody (MGB1/2000) to Mammaglobin.

ADDITIONAL INFORMATION

References

Watson MA, Dintzis S, Darrow CM, Voss LE, DiPersio J, Jensen R, Fleming TP. Mammaglobin expression in primary, metastatic, and occult breast cancer. Cancer Res. 1999; 59:3028-3031.

NCBI AND UNIPROT INFORMATION

NCBI GI #

4505169

NCBI GeneID	4250
NCBI Accession #	NP_002402.1
NCBI GenBank Nucleotide #	NM_002411.3
UniProt Accession #	Q13296; Q86WH8; A1A522
Molecular Weight	18kDa
NCBI Official Full Name	mammaglobin-A
NCBI Official Synonym Full Names	secretoglobin family 2A member 2
NCBI Official Symbol	SCGB2A2
NCBI Official Synonym Symbols	MGB1; UGB2
NCBI Protein Information	mammaglobin-A
UniProt Protein Name	Mammaglobin-A
UniProt Gene Name	SCGB2A2
UniProt Synonym Gene Names	MGB1; UGB2

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/mammaglobin-antibody-clone-mgb1-2000-immunohistochemistry-elisa/214664>