

## SCGB2A2 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA4716
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human SCGB2A2 expressed in E. Coli.
<b>Mol wt</b>	11kDa
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	IHC,ICC,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	MGB1;UGB2;MGC71974;SCGB2A2

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Mammaglobin is a gene that is expressed almost exclusively in the normal breast epithelium and human breast cancer. It is a member of the secretoglobulin gene family and forms a heterodimer with lipophilin B. It has been suggested that mammaglobin may be a useful marker for breast cancer clinical research. Studies investigating the detection of mRNA by RT PCR from circulating carcinoma cells in the peripheral blood of breast cancer patients have shown that mammaglobin is a highly specific marker and correlates with several prognostic factors, such as lymph node involvement. Tissue specificity: Mammary gland specific. Over-expressed in breast cancer.

### Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

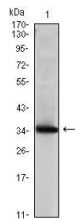
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

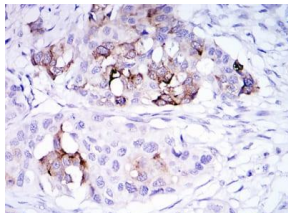
ELISA: 1:10000

Not yet tested in other applications.

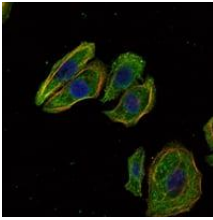
### Images



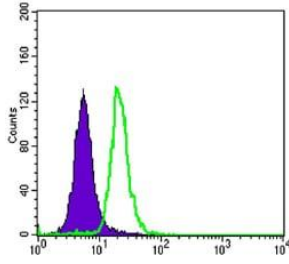
Western blot analysis using SCGB2A2 mAb against human SCGB2A2 (AA: 2-93) recombinant protein. (Expected MW is 35.8 kDa)



Immunohistochemical analysis of paraffin-embedded mammary cancer tissues using SCGB2A2 mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using SCGB2A2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of SK-BR-3 cells using SCGB2A2 mouse mAb (green) and negative control (purple).

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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