

## Product datasheet for **AM10110PU-N**

### Mammaglobin A (SCGB2A2) Cocktail Monoclonal Antibody [Clone ID: 304-1A5+31-A5]

#### Product data:

Product Type: Primary Antibodies

Clone Name: 304-1A5+31-A5

Applications: IHC

Recommended Dilution: **Immunohistochemistry on Frozen Sections.**  
**Immunohistochemistry on Paraffin Sections.**

*Recommended Dilution: 1/100-1/500.*

*Positive Control: Breast tissue, breast carcinoma.*

*Preparation and Pretreatment*

1. Cut 3-4  $\mu\text{m}$  section of formalin-fixed paraffin-embedded tissue and place on positively charged slides; dry overnight at 58°C.

2. Deparaffinize, rehydrate, and epitope retrieve; the preferred method is the use of Heat Induced Epitope Retrieval (HIER) techniques in conjunction with a pressure cooker. The preferred method allows for simultaneous deparaffinization, rehydration, and epitope retrieval. Upon completion, rinse with 5 changes of distilled or deionized water.

3. If using HRP detection system, place slides in peroxide block for 10 minutes; rinse. If using AP detection system, omit this step.

Reactivity: Human

Host: Cocktail

Isotype: cocktail

Clonality: Monoclonal

Specificity: This Mouse/Rabbit Monoclonal (304-1A5 & 31A5) cocktail antibody Recognizes Mammaglobin (10 kDa).

When combined with other breast-restricted markers such as GCDFP-15, an overall sensitivity for breast carcinoma of 84% has been achieved.

Anti-Mammaglobin can also be used to determine breast origin in the setting of metastatic carcinoma.

*Cellular Localization: Cytoplasmic.*



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<b>Formulation:</b>	PBS, pH 7.4 State: Purified State: Liquid purified Ig fraction. Stabilizer: 0.9% BSA Preservative: 0.09% Sodium Azide
<b>Purification:</b>	protein A chromatography.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	secretoglobin family 2A member 2
<b>Database Link:</b>	<a href="#">Entrez Gene 4250 Human Q13296</a>
<b>Background:</b>	Mammaglobin, a member of the uteroglobin family, is a 10kDa glycoprotein. Mammaglobin mRNA expression is breast tissue specific. It is overexpressed in human breast cancer. The use of Mammaglobin RT-PCR has been demonstrated to detect disseminated breast cancer. In a study to evaluate the frequency and specificity of mammaglobin, 80% of all primary and metastatic breast tumors tested were immunopositive irrespective of tumor grade, while mammaglobin mRNA was detected in 60% of the peripheral stem cell collections from breast cancer patients.
<b>Synonyms:</b>	Mammaglobin-A, Mammaglobin-1, Secretoglobin family 2A member 2, MGB1, UGB2, Prostatein peptide C3, Prostatic steroid-binding protein C3
<b>Note:</b>	<b>Immunoglobulin type:</b> Mouse IgG1, Rabbit IgG