

## Anti-Mammaglobin, mouse monoclonal (BS17)

BSH-7589-100 (0,1ml), BSH-7589-1 (1 ml)



<b>Clonality:</b>	Mouse monoclonal antibody
<b>Clone:</b>	BS17
<b>Application:</b>	IHC-P (1:100 – 1:400)
<b>Species Reactivity:</b>	Human
<b>Control tissues:</b>	Skin (sweat glands), breast cancer
<b>Buffer:</b>	TRIS with 0.03% sodium azide, pH 7,2
<b>Storage:</b>	Store at 4°C

### Description

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. Mammaglobin is mammary gland specific and it over expressed in breast cancer.

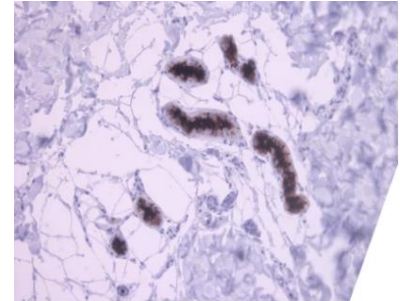
### Protocol

After paraffin removing and rehydration:

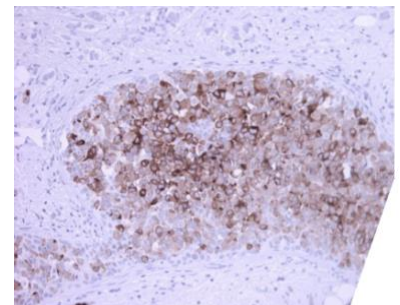
1. Pre-treatment: PT-module HIER pH9 (20min at 98°C)
2. Wash (TBS-Tween in all washing steps)
3. Primary antibody: Mammaglobin 1:100 – 1:400, 30 min.
4. Wash
5. Peroxidase blocking (3% H<sub>2</sub>O<sub>2</sub>), 10 min.
6. Wash
7. One step HRP-polymer detection, 30 min
8. Wash x2
9. DAB-Substrate, 10 min
10. Aqua
11. CuSO<sub>4</sub> -post enhancement, 5 min
12. Aqua

Counter staining, Bluing, dehydration, clearing, and mounting.

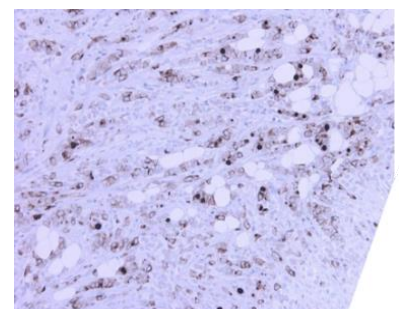
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



Skin section has been stained using mammaglobin optibody (Clone: BS17) with 1:200 dilution. Sweat glands and lumen of sweat glands have strong label.



Breast carcinoma section has been stained using mammaglobin optibody (Clone: BS17) with 1:200 dilution. Most of the carcinoma cells have strong to moderate staining reaction.



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