

## c-erbB-2/HER2/neu

Catalog # 10047.05 or .10 (0,5 ml or 1,0 ml concentrated)  
10047.50 (5 ml ready to use format)

### INTENDED USE

- **In Vitro:** This product is intended for qualitative immunohistochemistry on normal and neoplastic, formalin-fixed, paraffin-embedded tissue sections, to be analyzed by light microscopy.
- **Description:** This antibody recognizes a c-erbB-2 protein, which is a receptor tyrosine kinase of the c-erbB family. It is closely related in structure to the epidermal growth factor receptor. C-erbB-2 oncoprotein is detectable in a proportion of breast and other adenocarcinomas, as well as transitional cell carcinomas.
- **Expected Staining Pattern:**  
Cell membrane
- **Positive Control:** Breast carcinoma

### MATERIALS PROVIDED

- **c-erbB-2 specific rabbit monoclonal antibody**  
#10047: purified tissue culture supernatant, with 0.09% sodium azide.
- **Antibody Concentration:** Not known
- **Host:** Rabbit
- **Epitope:** Not determined
- **Species Reactivity:** Human
- **Clone:** SP3
- **Ig Isotype:** IgG
- **Immunogen:** Recombinant protein encoding extracellular domain of human c-erbB-2.
- **Sterility:** This product is not sterile.
- **References:**  
1) Ricardo SA et al. HER2 evaluation using the novel rabbit monoclonal antibody SP3 and CISH in tissue microarrays of invasive breast carcinomas. *J Clin Pathol* 2007 Sep; 60 (9): 1001-5.

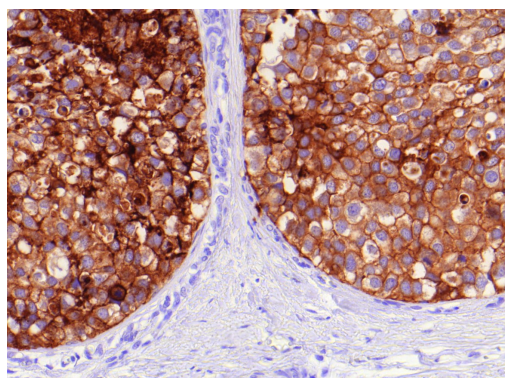
### MATERIALS REQUIRED, BUT NOT PROVIDED

- Detection system
- Chromogen/substrate system

- **Tissue Section Pretreatment:** Staining of formalin-fixed tissue sections requires treating in boiling 10mM citrate buffer, pH 6.0 for 10-20 minutes.
- **Recommended Pretreatment Kit:**  
HISTOLS®-Pre-Treatment IHC Kit (cat# 30016), containing the reagents below:  
HISTOLS®-Citrate Buffer (cat#30010)  
HISTOLS®-Peroxidase Blocking Solution (cat# 30013)  
HISTOLS®-BBPS (Background Blocking Protein Solution) (cat# 30012)
- **Dilution of Concentrated Antibody:**  
1:100 in antibody diluent.
- **Primary Antibody Incubation Time:** 60 minutes at RT.
- **Recommended Detection System:**  
HISTOLS®-MR (anti-mouse & rabbit Ig) (cat# 30011)
- **Visualization:** To detect antibody binding sites, follow the instructions provided with the chromogen/substrate system.

### STORAGE AND STABILITY

This product contains sodium azide and is stable when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.



c-erbB-2, breast carcinoma

### METHODS AND PROCEDURES