

**c-erbB-2 / HER-2 / neu**

Catalog # RM-9103-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml)

Catalog # RM-9103-R7 (7.0ml)

Catalog # RM-9103-PCS

**INTENDED USE:**

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** c-erbB-2 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. In the case of breast cancer, expression determined by immunohistochemistry has been shown to be associated with poor prognosis.
- **Expected Staining Pattern:** Cell membrane
- **Positive Control:** breast CA

**MATERIALS PROVIDED:**

**c-erbB-2 / HER-2 / neu (refer to catalog number):**

- #RM-9103-S (or -S0, -S1): Tissue culture supernatant, concentrated, with 0.09% Sodium Azide.  
or
- #RM-9103-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.  
or
- #RM-9103-PCS: 5 positive control slides.
- **Antibody Concentration:** Not known
- **Host:** Rabbit
- **Mol. Wt. of Antigen:** 185kDa
- **Epitope:** Extracellular domain
- **Species Reactivity:** Human. Others not tested.
- **Clone Designation:** SP3
- **Ig Isotype / Light Chain:** Rabbit IgG
- **Immunogen:** Recombinant protein encoding extracellular domain of human c-erbB2
- **Microbiological State:** This product is not sterile.

**MATERIALS REQUIRED, BUT NOT PROVIDED:**

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.

**METHODS AND PROCEDURES:**

|  |   |
|--|---|
| <b>Specimen Preparation</b>              | Refer to the "General Protocol" instructions.   |
| <b>Dilution of Concentrated Antibody</b> | 1:100 in antibody diluent   |
| <b>Tissue Section Pretreatment</b>       | Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM citrate buffer, pH 6.0 (Lab Vision catalog # AP-9003), for 10-20 minutes followed by cooling at room temperature for 20 min. |
| <b>Primary Antibody Incubation Time</b>  | 30 minutes at Room Temperature  |
| <b>Visualization</b>                     | To detect antibody, follow the instructions provided with the visualization system.   |

**STORAGE and STABILITY:**

This product contains sodium azide and is stable for 24 months 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.