

## c-erbB-2/HER2

Concentrated and Prediluted Rabbit Monoclonal Antibody  
903-342-100419

**BIOCARE**  
M E D I C A L

<b>Catalog Number:</b>	<b>ACA 342 A, B</b>	<b>APA 342 AA</b>	<b>OAA 342 T60</b>	<b>VLTRZ 342 G20</b>
<b>Description:</b>	0.1, 0.5 mL, conc.	6.0 mL, RTU	60 tests, RTU	20 mL, RTU
<b>Dilution:</b>	1:50	Ready-to-use	Ready-to-use	Ready-to-use
<b>Diluent:</b>	Da Vinci Green	N/A	N/A	N/A

### **Intended Use:**

Analyte Specific Reagent. Analytical and performance characteristics are not established.

### **Summary & Explanation:**

Studies have shown this antibody recognizes a protein of 185 kDa, identified as the second member (c-erbB-2/HER-2) of the c-erbB family. This rabbit monoclonal antibody is directed against the cytoplasmic domain of the human c-erbB-2 protein. The c-erbB-2 is closely related in structure to the epidermal growth factor receptor. Studies have shown the c-erbB-2 protein is over-expressed in a variety of carcinomas, especially those of breast and ovary. Immunohistochemical staining correlates with gene amplification. Studies have also shown that c-erbB-2 positive breast cancer usually correlates with negative staining for estrogen and progesterone receptors; thus a poorer predictive outcome is correlated with c-erbB-2 staining.

**Source:** Rabbit monoclonal

**Clone:** EP3 (previously known as EP1045Y)

**Isotype:** IgG

### **Known Applications:**

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

### **Supplied As:**

Buffer with protein carrier and preservative

### **Storage and Stability:**

Store at 2°C to 8°C. The product is stable to the expiration date printed on the label, when stored under these conditions. Do not use after expiration date. Diluted reagents should be used promptly; any remaining reagent should be stored at 2°C to 8°C.

### **References:**

1. Suthipintawong C, *et al.* Immunostaining of estrogen receptor, progesterone receptor, MIB1 antigen, and c-erbB-2 oncoprotein in cytologic specimens: a simplified method with formalin fixation. *Diagn Cytopathol.* 1997 Aug;17(2):127-33.
2. Nakapoulou LL, *et al.* Prognostic significance of the co-expression of p53 and c-erbB-2 protein in breast cancer. *J Pathol.* 1996 May;179(1):31-8.
3. Center for Disease Control Manual. Guide: Safety Management, NO. CDC-22, Atlanta, GA. April 30, 1976 "Decontamination of Laboratory Sink Drains to Remove Azide Salts."
4. Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline-Fourth Edition CLSI document M29-A4 Wayne, PA 2014.

Produced using Abcam's RabMAb® technology. RabMAb® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.



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