

c-erbB-2 [CB11]

Concentrated and Prediluted Monoclonal Antibody

Control Number: 903-076-082917

Catalog Number:	ACA 076 A, C	APA 076 AA
Description:	0.1, 1.0 ml, concentrated	6.0 ml, prediluted
Dilution:	1:50-1:100	Ready-to-use
Diluent:	Da Vinci Green	N/A

Intended Use:

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

Summary & Explanation:

The c-erbB-2 is closely related in structure to the epidermal growth factor receptor. The c-erbB-2 protein is over-expressed in a variety of carcinomas, especially those of breast and ovary (2-3). Immunohistochemical staining correlates with gene amplification. Studies have 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 (3).

Source: Mouse monoclonal

Clone: CB11

Isotype: IgG1

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. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at 2°C to 8°C.

Analyte Specific Reagent Note:

The c-erbB-2 [CB11] antibody has been quality controlled by IHC using Biocare's MACH 4 Detection System with antigen retrieval. However, it is the responsibility of the laboratory or end-user to develop their own protocol and label appropriate disclaimer.

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. Alexiev BA, *et al.* Expression of c-erbB-2 oncogene and p53 tumor suppressor gene in benign and malignant breast tissue: correlation with proliferative activity and prognostic index. *Gen Diagn Pathol.* 1997 Jun;142(5-6):271-79.
3. Fernandez Acenero MJ, Farina Gonzalez J, Arangoncillo Ballesteros P. Immunohistochemical expression of p53 and c-erbB-2 in breast carcinoma: relation with epidemiologic factors, histologic features and prognosis. *Gen Diagn Pathol.* 1997 Jun;142(5-6):289-96.
4. 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."
5. 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.