

CA15-3 clone DF3

Instructions for Use

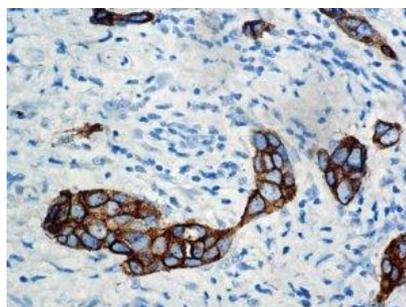
Specification:

This antibody has been used for evaluating the primary site of a metastatic carcinoma of unknown origin and distinguishing between benign and malignant lesions. It is believed that CA15-3 reacts primarily with the DF3-antigen, a 300 kDa mucin-like glycoprotein present on the apical border of secretory mammary epithelial cells.

CA15-3 has been detected with immunohistochemistry in a wide spectrum of carcinomas, including Breast Carcinomas (ductal and lobular), Sarcomas (Synovial Sarcoma and Malignant Fibrous Histiocytomas), and Lung Carcinomas. CA15-3 can be used as a supplementary marker for epithelial differentiation. CA15-3 does not stain Melanomas or Ewing's Sarcomas. Approximately 30% of Hepatocellular Carcinomas are positive for CA15-3.

Availability:

Catalog No.	Contents	Volume
ILM1024-C01	CA15-3	0,1 ml concentrate
ILM1024-C05	CA15-3	0,5 ml concentrate
ILM 1024-C1	CA15-3	1,0 ml concentrate



Intended use: For Research Use Only

Reactivity: Human

Clone: DF3

Species of origin: Mouse

Isotype: IgG1/kappa

Controlle Tissue: Breast, Pancreas, Salivary Gland

Staining: Cytoplasmic

Presentation: CA15-3 is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.

Application and suggested dilutions:

Pre-treatment: Heat induced epitope retrieval in 10 mM Citrate buffer, pH 6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes, is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:50 - 1:300)
- Immunohistochemical staining of cryostat tissue sections (dilution 1:50 - 1:300)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial. For long-term storage of the concentrated antibody, it is recommended that aliquots of the antibody be frozen at -20°C in glycerol 50% (frost-free freezers are not recommended). Repeated freezing and thawing must be avoided.

References:

- 1) Gatalica Z, et al. *Applied IHC*. 1994;2(3):205-211
- 2) Kufe D, et al. *Hybridoma*. 1984; 3:223-32
- 3) Colomer R, et al. *Breast CA Res Treat*. 1989;13:123-33
- 4) Ho JLL, et al. *Int J Cancer*. 1992;52:693-700