

Bioassayplus Inc.

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Product Specification Sheet

Important note: Centrifuge before opening to ensure complete recovery of vial contents.

Product name: Candida albicans monoclonal antibody

Catalog : Mab-albicans (clone F402)

Clonality: Monoclonal

Host: Mouse

Immunogen: Whole Candida albicans organism

Isotype: IgM

Specificity: Reactive with all *C. albicans* strains tested (9) + *C. glabrata* & *C. tropicales*. ELISA & IFA*

Purity/Purification: 90% purity, purified by protein A from ascites fluid or culture medium

Size: 1mg /vial

Format: 0.01 M phosphate buffered saline, pH 7.2

Preservative: 0.1% sodium azide.

Applications: ELISA, IFA & IHC, WB

Storage: Short term: 2-8 degree °C
Long term: -20 degree °C
Avoid repeated freeze-thawing

Description: *Candida albicans* is an opportunistic pathogenic yeast that is a common member of the human gut flora. It is detected in the gastrointestinal tract and mouth in 40-60% of healthy adults, but can become pathogenic in immunocompromised individuals under a variety of conditions. It is one of the few species of the *Candida* genus that causes the human infection candidiasis, which results from an overgrowth of the fungus. Candidiasis is for example often observed in HIV-infected patients. *C. albicans*, *C. tropicalis*, *C. parapsilosis*, and *C. glabrata*, are together responsible for 50-90% of all cases of candidiasis in humans. A mortality rate of 40% has been reported for patients with systemic candidiasis due to *C. albicans*. Estimates range from 2800 to 11200 deaths caused annually in the USA due to *C. albicans* causes candidiasis.