

Candida sp. Antibody

Hybridoma Monoclonal Antibody

Product Information

Product No.: C012

Clone: CAND-0869

Isotype: Rabbit IgG1

Storage: Sterile 2 to 8°C

Product Description

Specificity:

Anti-Candida (Clone CAND-0869) is specific for several Candida species: C. albicans (10 strains), C. parapsilosis, C. glabrata, C. tropicales & C. auris. It is not reactive with C. krusei, Aspergillus, Coccidioides, Histoplasma, Blastomyces, Paracoccidioides, Penicillium notatum, Mucor, Saccharomyces cerevisiae, and Pichia pastoris.

Background:

Candida species are opportunistic fungal pathogens commonly associated with healthcare-associated infections (HAIs), particularly in immunocompromised and critically ill patients. Candida infections, also known as candidiasis or yeast infections, can manifest as a variety of clinical syndromes, including bloodstream infections, urinary tract infections, surgical site infections, and candidemia. The most frequently isolated species in the context of HAIs are Candida albicans, followed by non-albicans species like Candida glabrata, Candida parapsilosis, and Candida tropicalis. Risk factors for Candida HAIs include the use of broad-spectrum antibiotics, central venous catheterization, prolonged hospitalization, and immunosuppressive therapies. Candida species have the ability to form biofilms on medical devices, further complicating treatment and facilitating their persistence in healthcare environments. Due to the rising incidence of multidrug-resistant Candida strains, early diagnosis, appropriate antifungal therapy, and infection control measures are critical to effectively manage Candida-related HAIs and improve patient outcomes.

Known Reactivity Species:

Candida sp.

Format:

Purified

Formulation

Formulated in 0.01 M phosphate buffered saline, pH 7.2 and contains 0.1% sodium azide. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

Purity

≥90%

Storage and Stability

This purified antibody is stable when stored at 2° to 8°C. **Do not freeze.**

Product Preparation

This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations.

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

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ELISA: 1:20-1:200,

IFA: 1:10-1:50

Other Applications Reported in Literature:

IHC

Country of Origin

USA