



Anti-Aspergillus fumigatusHybridoma [27D5] (CSC-H0011LN)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | This hybridoma produces mAbs (IgM) against Aspergillus fumigatus |
| Target | Aspergillus fumigatus |
| Immunogen | A. fumigatus cell wall |
| Isotype | IgM |
| Species | Aspergillus |
| Clone | 27D5 |
| Application | , ELISA, IF, IEM, WB, |
| Application Notes | ELISA (1:10); IF (1:10); IEM (1:10); WB (neat) |
| Epitope | Apical protein ~70kDa, no septa |
| Format | Frozen |
| Storage | Liquid nitrogen vapor phase Freezing medium: to complete growth medium, add 10%(v/v) DMSO |
| Immunological Donor | Mouse |
| Cell Line Description | The hybridoma produces a mouse anti-Aspergillus fumigatus monoclonal antibody recognising the apical region. |
| Growth Properties | Adherent |
| Culture Medium | IMDM, supplemented with 20% FBS and 1% Pen/Strep |

BACKGROUND

Introduction

Aspergillus fumigatus is a widespread saprobe that breaks down organic material in soil. The conidia of this fungus are ubiquitous in the atmosphere and commonly inhaled. In healthy individuals, *A. fumigatus* can cause allergic reactions or localized infections. In the immunocompromised, however, it can cause invasive aspergillosis, an increasingly frequent and often fatal disease.
