

# Anti-Aspergillus fumigatus, [16C4]

**Catalogue number:** 153457

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Michelle Momany

**Institute:** University of Georgia

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-Aspergillus fumigatus, [16C4]

**Alternate name:** Fungal, fungus, fungi, mycology

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Aspergillus fumigatus is a fungus of the genus Aspergillus. Specifically, A. fumigatus, it is a mold and one of the most common Aspergillus species to cause disease in humans with an immunodeficiency. A. fumigatus, is a widespread saprobe which breaks down organic material in soil and the conidia are prevalent in the atmosphere and regularly inhaled. In healthy individuals, A. fumigatus can cause allergic reactions and infection. However, in immunocompromised individuals it can cause invasive...

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgM

**Reactivity:** Aspergillus fumigatus

**Selectivity:**

**Host:** Mouse

**Immunogen:** Cell walls of Aspergillus fumigatus 2085

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** CA antigen of *Aspergillus fumigatus*

**Target alternate names:**

**Target background:** *Aspergillus fumigatus* is a fungus of the genus *Aspergillus*. Specifically, *A. fumigatus*, it is a mold and one of the most common *Aspergillus* species to cause disease in humans with an immunodeficiency. *A. fumigatus*, is a widespread saprobe which breaks down organic material in soil and the conidia are prevalent in the atmosphere and regularly inhaled. In healthy individuals, *A. fumigatus* can cause allergic reactions and infection. However, in immunocompromised individuals it can cause invasive...

**Molecular weight:**

**Ic50:**

## Applications

**Application:** EM ; ELISA ; IF ; WB

**Application notes:** Epitope: Apical protein ~70kDa, no septa

## Handling

**Format:** Liquid

**Concentration:** 0.9-1.1mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** IMDM + 20% FBS + 1% Pen/Strep

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:** Anti-*Aspergillus fumigatus* [5D4]

## References

**References:** Dou et al. 2013. Nat Struct Mol Biol. 20(8):982-6. PMID: 23851457. ; Essentiality of a non-RING element in priming donor ubiquitin for catalysis by a monomeric E3.

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