Anti-Cryptococcus [crp127]

Catalogue number: 153688
Sub-type:
Images:

Contributor

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Institute: University of Birmingham
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Cryptococcus [crp127]

Alternate name: Cryptococcal capsule, Filobasidiella

Class: Monoclonal
Conjugate: Unconjugated
Description: Cryptococcus is a genus of fungus of where the majority of organisms are found living in the soil. Cryptococcal cells are covered in a thin gelatin-like layer of capsular glycoprotein material which serves to help extract nutrients from the surroundings. The capsule from C. neoformans which is the most prominent human and animal pathogen in the genus, is different. Its capsule has a greater composition of glucuronic acid and mannose possessing O-acetyl groups and functions as the major virulence factor contributing to cryptococcal infection and disease. The antibody recognises capsular material on the surface of the pathogenic fungi Cryptococcus gattii and C. neoformans. It does not appear to recognise the capsule on the related species C. laurentii and recognition appears to depend on O-acetylation of the capsular polysaccharide.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgM
Reactivity: Cryptococcus gatti; Cryptococcus neoformans
Selectivity:
Host: Mouse
Immunogen: Whole, heat-killed Cryptococcus gattii R265
Immunogen UNIPROT ID:
Sequence:

Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Cryptococcus

Target alternate names:

Target background: Cryptococcus is a genus of fungus of where the majority of organisms are found living in the soil. Cryptococcal cells are covered in a thin gelatin-like layer of capsular glycoprotein material which serves to help extract nutrients from the surroundings. The capsule from C. neoformans which is the most prominent human and animal pathogen in the genus, is different. Its capsule has a greater composition of glucuronic acid and mannose possessing O-acetyl groups and functions as the major virulence factor contributing to cryptococcal infection and disease. The antibody recognises capsular material on the surface of the pathogenic fungi Cryptococcus gattii and C. neoformans. It does not appear to recognise the capsule on the related species C. laurentii and recognition appears to depend on O-acetylation of the capsular polysaccharide.

Molecular weight:

Ic50:

Applications

Application: IF ; WB
Application notes:

Handling

Format: Liquid
Concentration: 0.9-1.1mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: PBS with 0.02% azide
Storage conditions:

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: