

# Aspergillus (2G1): sc-70386

## BACKGROUND

*Aspergillus* represents a genus of around 200 filamentous fungi made of chains of cells, called hyphae. All *Aspergillus* species are highly aerobic and grow in oxygen-rich environments worldwide. Most other fungi are usually found growing on carbon-rich surfaces, but *Aspergilli* can also secrete amylase enzymes, which allow it to use polysaccharides e.g. starch as a carbon source. Several species of *Aspergillus* also demonstrate oligotrophy, so they are able to grow in environments containing low amounts of nutrients, or even environments in which there is a complete lack of key nutrients. Some *Aspergillus* species can be pathogenic to humans as well as many grain crops. *A. niger*, a species of *Aspergillus*, is as the major source of citric acid and it accounts for over 99% of global citric acid production in the world.

## REFERENCES

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## SOURCE

*Aspergillus* (2G1) is a mouse monoclonal antibody raised against *Aspergillus*.

## PRODUCT

Each vial contains 100  $\mu$ g IgM in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## STORAGE

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

## APPLICATIONS

*Aspergillus* (2G1) is recommended for detection of *Aspergillus* origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.