

# MONOCLONAL ANTIBODY TO (1→3)-β-GLUCAN (MOUSE IgG, KAPPA LIGHT)

FOR RESEARCH PURPOSES ONLY

Cat. No. 400-2

## SPECIFICITY

This antibody recognizes linear (1→3)-β-oligosaccharide segments in (1→3)-β-glucans. It has no cross reactivity with (1→4)-β-glucan or (1→3,1→4)-β-glucan.

This antibody can be used with second stage, gold-labelled rabbit anti-mouse antibody for immunohistochemical studies

## TITRE

Indirect ELISA titre against the following β-glucan-BSA conjugates were:

BSA-laminarin	30ng/mL
BSA-cellopentaose	>100,000ng/mL
BSA-barley β-glucan	>100,000ng/mL

Antibody binding to the laminarin-BSA conjugate was inhibited (50%) by laminaribiose ( $1.5 \times 10^{-3}M$ ) and laminaritetrose ( $4.2 \times 10^{-4}M$ ).

## USE

Reconstitute in 150μL of 120mM NaCl. When reconstituted, the antibody concentration is 1mg/mL in 10mM phosphate buffer (pH 7.2), 0.8% sodium chloride and 0.02% sodium azide.

## STORAGE

This freeze-dried product has been shipped at ambient temperature, however it should be stored for extended periods at less than 4°C, with desiccant.

Once reconstituted, store at 4°C short term, or at -20°C in aliquots with desiccant for long term. Do not freeze again after thawing. Once thawed, store at 4°C.

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