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
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
(1.5x10^{-3}M) and laminaritetrose (4.2x10^{-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.

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 desiccating. Once
thawed, store at 4°C.

REFERENCES
Meikle, P.J. Bonig, I. Hoogenraad, N.J. Clarke,