

**MONOCLONAL ANTIBODY TO
(1→4)- β -D-XYLAN
(LM11)
(RAT IgM, KAPPA LIGHT)**

FOR RESEARCH PURPOSES ONLY

Cat. No. 600-5

SPECIFICITY

This antibody recognizes xylan backbones.

Generated using a neoglycoprotein (xylopentaose-BSA). It recognizes xylan from beechwood (Megazyme, P-XYLNBE), larchwood and oat spelts.

This antibody can be used with second stage anti-rat antibodies labelled with gold, FITC, HRP etc.

USE

Reconstitute in 150 μ L of 120mM NaCl.

When reconstituted, the antibody concentration is 1mg/mL in 10mM phosphate buffer (pH 7.2), 0.8% sodium chloride.

In dot blot assays we found the 1mg/mL solution to be 10 to 100x more sensitive than the original *Plant Probes* generated supernatant.

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 longer term. Do not re-freeze after thawing. Once thawed, store at 4°C.

REFERENCES

McCartney, L., Marcus, S.E., and Knox, J.P. (2005). *Journal of Histochemistry and Cytochemistry*, 53(4): 543-546.

Ruprecht, C., Bartetzko, M.P., Senf, D., Dallabernadina, P., Boos, I., Andersen, M.C., Kotake, T., Knox, J.P., Hahn, M.G., Clausen, M.H. and Pfrengle, F., (2017). *Plant Physiology*, 175(3): 1094-1104.

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