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# MONOCLONAL ANTIBODY TO ARABINOGALACTAN-PROTEINS, TERMINAL GLUCURONOSYL RESIDUES (LM2) (RAT IgM, KAPPA LIGHT)

FOR RESEARCH PURPOSES ONLY

Cat. No. 600-2

## SPECIFICITY

This antibody recognizes terminal GlcA residues on (1→6)-β-D-Gal side-chains of arabinogalactan-proteins.

It recognises gum arabic (Sigma #G9752) but not larch wood arabinogalactan, apple pectin (Sigma #P2157), nor polygalacturonic acid from citrus fruit.

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

## 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.

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

Smallwood, M., Yates, E.A., Willats, W.G., Martin, H. and Knox, J.P. (1996). *Planta*, 198: 452-459.

Yates, E.A, Valdor, J-F., Haslam, S.M., Morris, H.R., Dell, A., Mackie, W. and Knox J.P. (1996). *Glycobiology* 6(2): 131-139.

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: 1094-1104.

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