

**MONOCLONAL ANTIBODY TO
BRANCHED PECTIC GALACTAN
(LM26)
(RAT IgG, KAPPA LIGHT)**

FOR RESEARCH PURPOSES ONLY

Cat. No. 600-9

SPECIFICITY

This antibody recognizes (1→6) galactosyl substituted (1→4)-β-D-galactan.

There is no commercial source of antigen. Garlic bulb extract can be used to test efficacy. In dot blot assays it recognized tomato lectin (Sigma #L0401) but not pectic galactan (Megazyme #PGAPT), nor gum arabic (Sigma #G9752).

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

Torode, T.A., O'Neill, R., Marcus, S.E., Cornuault, V., Pose, S., Lauder, R.P., Kračun, S.K., Rydahl, M.G., Andersen, M.C., Willats, W.G. and Braybrook, S.A. (2018). *Plant Physiology*, 176(2): 1547-1558.

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