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# MONOCLONAL ANTIBODY TO PECTIC METHYLESTERIFIED HOMOGALACTURONAN (LM20) (RAT IgM, KAPPA LIGHT)

FOR RESEARCH PURPOSES ONLY

Cat. No. 600-7

## SPECIFICITY

This antibody recognizes methyl-esterified homogalacturonan of pectic polysaccharides. It does not bind to un-esterified homogalacturonan.

It recognizes pectin from apple (Sigma #P2157 and #93854) and pectin from citrus peel (Sigma #P9135) but not polygalacturonic acid from citrus fruit (Sigma #P1879).

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

## USE

Reconstitute in 150 $\mu$ 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

Verhertbruggen, Y., Marcus, S.E., Haeger, A., Ordaz-Ortiz, J.J. and Knox, J.P. (2009). *Carbohydrate Research*, 344(14): 1858-1862.

Clausen, M.H., Willats, W.G.T and Knox, J.P. (2003). *Carbohydrate Research* 338(17): 1797-1800.

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