

**MONOCLONAL ANTIBODY TO  
PECTIC UNESTERIFIED  
HOMOGALACTURONAN  
(LM19)  
(RAT IgM, KAPPA LIGHT)**

FOR RESEARCH PURPOSES ONLY

Cat. No. 600-6

**SPECIFICITY**

This antibody recognizes pectic homogalacturonan, with a preference for un-esterified homogalacturonan.

It recognizes pectin from apple (Sigma #P2157), pectin from citrus peel (Sigma #P9135) and polygalacturonic acid from citrus fruit (Sigma #81325).

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**

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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