
MONOCLONAL ANTIBODY TO PECTIC METHYLESTERIFIED HOMOGALACTURONAN (JIM7) (RAT IgA, KAPPA LIGHT)

FOR RESEARCH PURPOSES ONLY

Cat. No. 600-11

SPECIFICITY

This antibody recognizes partially methyl-esterified homogalacturonans.

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 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

Knox, J.P., Linstead, P.J., King, J., Cooper, C. and Roberts, K. (1990). *Planta*, 181(4): 512-521.

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

Moller, I., Marcus, S.E., Haeger, A., Verhertbruggen, Y., Verhoef, R., Schols, H., Ulvskov, P., Mikkelsen, J.D., Knox, J.P. and Willats, W. (2008). *Glycoconjugate Journal*, 25: 37-48.

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

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