

MONOCLONAL ANTIBODY TO EXTENSIN (LM1) (RAT IgM, KAPPA LIGHT)

FOR RESEARCH PURPOSES ONLY

Cat. No. 600-1

SPECIFICITY

This antibody recognizes extensin.

Generated to rice extensin hydroxyproline-rich glycoproteins (HRGPs). It recognizes tomato lectin (Sigma #L0401) and gum arabic (Sigma #G9752) but not pectic type 1 galactan (Megazyme #PGAPT).

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

USE

Reconstitute in 150 μ 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

Smallwood, M., Martin, H., and Knox, J.P. (1995). *Planta*, 196(3): 510-522.

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(1): 37-48.

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