MONOCLONAL ANTIBODY TO ARABINOGALACTAN-PROTEINS (JIM13) (RAT IgM, KAPPA LIGHT)

FOR RESEARCH PURPOSES ONLY

Cat. No. 600-12

SPECIFICITY

This antibody recognizes β-GlcA-(1→3)-α-GalA-(1→2)-Rha epitope from arabinogalactan-proteins.

It binds to various exudate gums, including gum arabic (Sigma #G9752). It also binds to rhamnogalacturonan I from sycamore maple. It does not bind to either larch wood arabinogalactan, apple pectin (Sigma #P2157), nor polygalacturonic acid from citrus fruit.

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

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