

Arabinogalactan-4 (clone CCRC-M78)

Cat PA00911

Size 1 ml

Host

Mouse

Clonality

Monoclonal

Confirmed reactivity

Acer pseudoplatanus, Arabidopsis thaliana, Lactuca sativa, Sinapus sp., Solanum lycopersicum

Immunogen

MeBSA-conjugated Arabidopsis thaliana rhamnogalacturonan-I

Host

Mouse

Clonality

Monoclonal

Purity

Cell culture supernatant.

Format

Liquid

Storage

Antibody can be stored up to 1 month at 4°C, and at -80°C for up to 1 year. Make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application

ELISA (ELISA), Immunohistochemistry (IHC), Immunofluorescence (IF)

Recommended dilution

Undiluted or at 1 : 10 (ELISA), (IF), (IHC)

Confirmed reactivity

Acer pseudoplatanus, Arabidopsis thaliana, Lactuca sativa, Sinapus sp., Solanum lycopersicum

Predicted reactivity

Gum, sycamore, tomato, lettuce and sinapus glycan group of arabinogalactan-4

Not reactive in

No confirmed exceptions from predicted reactivity are currently known

Additional information

Exact working dilution needs to be determined by end user

Description

Arabinogalactan is a polymer composed of arabinose and galactose monosaccharides. They are present in plants in the form of free glycans or attached to rhamnose-galactose I or protein skeletons. When combined with

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proteins, they form arabinogalactan protein (AGP), which acts as an intercellular signaling molecule. AGP can also be used as an adhesive for plant wounds. Arabinogalactan can be used as a food additive or as a starch substitute in food or pharmaceutical products. The pectin polysaccharide antibody belongs to arabinogalactose class 4 antibody. Pectin consists of a polysaccharide present in the primary cell wall of most plants, which binds the cells in the middle sheet together.

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