

Pectic polysaccharide, alpha-1,5-arabinan (monoclonal, clone LM6)

Cat PA00506

Size 1 ml

Host

Rat

Clonality

Monoclonal

Confirmed reactivity

Higher plants, ferns and mosses

Immunogen

Pectic polysaccharide (alpha-1,5-arabinan), neoglycoprotein (arabinoheptaose-BSA conjugated),

Host

Rat

Clonality

Monoclonal

Purity

Cell culture supernatant.

Format

Liquid

Storage

Store at +4°C (short term) and at -20°C (long term). 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 any material adhering to the cap or sides of the tube.

Application

ELISA (ELISA), Immunofluorescence (IF)

Recommended dilution

1:10 (ELISA, IF)

Confirmed reactivity

Higher plants, ferns and mosses

Additional information

Contains 0.05% Sodium Azide. No cross-reactivity with gum arabic. The antibody recognises a linear pentasaccharide in (1-5)-α-L-arabinans. In many species it can also recognise pectic polysaccharides. In some species this antibody could recognize arabinogalactan-proteins (AGPs). In competitive inhibition ELISAs, antibody is binding to: (1-5)-α-L-arabinan is inhibited (50%) by 40 ng/ml (1-5)-α-L-arabinopentaose and 19 ng/ml (1-5)-α-L-arabinohexaose.

Description

The plant cell wall surrounds the plant cell, forming a complex network of polysaccharides, including cellulose, hemicellulose, pectin polysaccharides, and glycoproteins. Anchored or embedded in the plant cell wall are other polymers, such as lignin, lignin, or cutin. Pectin is the main polysaccharide to construct the pectin matrix of the

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primary plant cell wall.

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