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Product no AS18 4198-1ml

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

Product information

Immunogen	Pectic polysaccharide (alpha-1,5-arabinan), neoglycoprotein (arabinoheptaose-BSA conjugated),
Host	Rat
Clonality	Monoclonal
Subclass/isotype	IgG
Purity	Cell culture supernatant.
Format	Liquid
Quantity	1 ml
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.
Additional information	Contains 0.05% Sodium Azide No cross-reactivity with gum arabic. The antibody recognises a linear pentasaccharide in (1-5)- -L-arabinans. I 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)- -L-arabinan was inhibited (50%) by 40 ng/ml (1-5)- -L-arabinopentaose and 19 ng/ml (1-5)- -L-arabinohexaose.

Application information

Recommended dilution	1:10 (ELISA, IF)
Confirmed reactivity	Higher plants, ferns and mosses
Selected references	Ren et al. (2026). Cultivar-Specific Flesh Mealiness in Apple Fruit Associated with Divergent Cell Wall Metabolism and Accelerated Senescence.Horticulturae, Volume 12, Issue 3, 10.3390/horticulturae12030309. Jacquer et al. (2025). A developmental switch controls cell-to-cell transport in roots via pectin-linked plasmodesmata changes. Mol Plant . 2025 Jul 17:S1674-2052(25)00233-3. doi: 10.1016/j.molp.2025.07.004. Verhertbruggen et al. (2009). Developmental complexity of arabinan polysaccharides and their processing in plant cell walls. Plant J. 2009 Aug;59(3):413-25.doi: 0.1111/j.1365-313X.2009.03876.x.