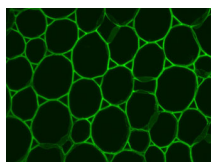


Product no **AS18 4191-1ml****Anti-Pectic polysaccharide, homogalacturonan (monoclonal, clone LM19)****Product information**

<b>Immunogen</b>	Pectic polysaccharide, Homogalacturonan,
<b>Host</b>	Rat
<b>Clonality</b>	Monoclonal
<b>Subclass/isotype</b>	IgM
<b>Purity</b>	Cell culture supernatant.
<b>Format</b>	Liquid
<b>Quantity</b>	1 ml
<b>Storage</b>	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.
<b>Additional information</b>	Contains 0.05% Sodium Azide.  Has no known cross-reactivity with other polymers. Binds to unesterified homogalacturonan.  The antibody recognizes a range of homogalacturonan samples but binds strongly to un-esterified homogalacturonan.

**Application information**

<b>Recommended dilution</b>	1:10 (ELISA, IF)
<b>Confirmed reactivity</b>	Higher plants, ferns and mosses
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Selected references</b>	<a href="#">Lima et al. (2024)</a> . Seed coat-derived brassinosteroid signaling regulates endosperm development. Nat Commun. 2024 Oct 29;15(1):9352. doi: 10.1038/s41467-024-53671-x. <a href="#">Pan, Li, Liu, Qi et al. (2023)</a> Multi-microscopy techniques combined with FT-IR spectroscopy reveals the histological and biochemical causes leading to fruit texture difference in oriental melon (Cucumis melo var. Makuwa Makino), Food Chemistry, Volume 402, 2023, 134229, ISSN 0308-8146, <a href="https://doi.org/10.1016/j.foodchem.2022.134229">https://doi.org/10.1016/j.foodchem.2022.134229</a> . ( <a href="https://www.sciencedirect.com/science/article/pii/S0308814622021914">https://www.sciencedirect.com/science/article/pii/S0308814622021914</a> ) <a href="#">Marcus et al. (2010)</a> . Restricted access of proteins to mannan polysaccharides in intact plant cell walls. Plant J. 2010 Oct;64(2):191-203.doi: 0.1111/j.1365-313X.2010.04319.x. <a href="#">Verhertbruggen et al. (2009)</a> . An extended set of monoclonal antibodies to pectic homogalacturonan. Carbohydr Res. 2009 Sep 28;344(14):1858-62.doi: 10.1016/j.carres.2008.11.010.



Immunofluorescence method described in:

[An extended set of monoclonal antibodies to pectic homogalacturonan](#). Yves Verhertbruggen, Susan E. Marcus, Ash Haeger, José J. Ordaz-Ortiz, J. Paul Knox, Carbohydrate research 344 (2009) 1858-1862.