

Product no **AS18 4194-1ml****Anti-Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM5)****Product information****Immunogen** | Pectic polysaccharide, Homogalacturonan domain,**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

Has no known cross-reactivity with other polymers.

Binds to partially methyl esterified homogalacturonan and can also bind to un-esterified homogalacturonan.

Application information**Recommended dilution** | 1:10 (ELISA, IF)**Confirmed reactivity** | Higher plants, ferns and mosses**Not reactive in** | No confirmed exceptions from predicted reactivity are currently known

Selected references | [Buecker et al. \(2025\)](#). Structural changes of Complexes from *Arthrospira platensis* Protein and Pectin influenced by Degree of Esterification and pH. *Food Hydrocolloids* Available online 23 January 2025, 111122.

[Zou et al. \(2024\)](#). A polygalacturonase gene OsPG1 modulates water homeostasis in rice. Volume 12, Issue 1, February 2024, Pages 79-91.

[Li et al. \(2023\)](#). Single-Cell Transcriptome Atlas and Regulatory Dynamics in Developing Cotton Anthers. *Adv Sci (Weinh)* . 2023 Nov 17:e2304017. doi: 10.1002/adv.202304017.

[Yu et al. \(2023\)](#) Reduction of pectin may decrease the embryogenicity of grapevine (*Vitis vinifera*) pro-embryonic masses after 10 years of in vitro culture, *Scientia Horticulturae*, Volume 309, 2023, 111690, ISSN 0304-4238, <https://doi.org/10.1016/j.scienta.2022.111690>.