Agrisera
Part of Olink® Group

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

**Product no** AS18 4195-1ml

# Pectic polysaccharide, homogalacturonan (monoclonal, clone JIM7)

## Product information

| | |
|---|---|
| **Immunogen** | Pectic polysaccharide, Homogalacturonan, |
| **Host** | Rat |
| **Clonality** | Monoclonal |
| **Subclass/isotype** | IgA |
| **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<br><br>Has no known cross-reactivity with other polymers.<br>Binds to methyl esterified homogalacturonan.<br>Does not bind to un-esterified homogalacturonan.<br><br>This antibody is a good marker for pectic 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** | 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/advs.202304017.<br>Clausen et al. (2003). Synthetic methyl hexagalacturonate hapten inhibitors of anti-homogalacturonan monoclonal antibodies LM7, JIM5 and JIM7. Carbohydr Res. 003 Aug 12;338(17):1797-800.doi: 10.1016/s0008-6215(03)00272-6.<br>Knox et al. (1990). Pectin esterification is spatially regulated both within cell walls and between developing tissues of root apices. Planta. 1990 Jul;181(4):512-21.doi: 0.1007/BF00193004. |