

Product no **AS16 3117-1ml****Anti-Homogalacturonan-1 (clone CCRC-M38)****Product information**

<b>Immunogen</b>	MeBSA-conjugated <i>Arabidopsis thaliana</i> seed mucilage (Homogalacturonan), non-covalent, Epitope structure for carbohydrate antigen: de-esterified homogalacturonan (DP>4),
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Subclass/isotype</b>	IgG1
<b>Purity</b>	Cell culture supernatant.
<b>Format</b>	Liquid
<b>Quantity</b>	1 ml
<b>Storage</b>	Antibody can be stored up to 1 month at 4°C, and over 1 month at -80°C. 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 material adhering to the cap or sides of the tube.
<b>Additional information</b>	This antibody recognises fully de-esterified $\beta$ -1,4 linked homogalacturonan (HG) epitope with a degree of polymerization (DP) of four or higher (DP>4), Does not recognize a homogalacturonan trimer

**Application information**

<b>Recommended dilution</b>	1:10 (IHC)
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i>
<b>Predicted reactivity</b>	Homogalacturonan (HG) backbone-1 clade of antibodies and binds to a de-esterified $\beta$ -1,4 linked homogalacturonan (HG) epitope (DP>4)
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	This antibody binds to a de-esterified $\beta$ -1,4 linked homogalacturonan epitope with a degree of polymerization of 4 or more, It does not bind to a homogalacturonan trimer
<b>Selected references</b>	<a href="#">Plachno</a> et al. (2025). Cell Wall Microdomains Analysis in the Quadrids of <i>Utricularia dichotoma</i> . <i>Int J Mol Sci.</i> 2025 Jan 20;26(2):832. doi: 10.3390/ijms26020832. <a href="#">Pattathil</a> et al. (2012). Immunological approaches to plant cell wall and biomass characterization: Glycome Profiling. <i>Methods Mol Biol.</i> 2012;908:61-72. doi: 0.1007/978-1-61779-956-3_6. <a href="#">Patathil</a> et al. (2010). A comprehensive toolkit of plant cell wall glycan-directed monoclonal antibodies. <i>Plant Physiol.</i> 2010 Jun;153(2):514-25. doi: 10.1104/pp.109.151985.