

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

Immunogen | MeBSA-conjugated *Arabidopsis thaliana* seed mucilage (Homogalacturonan), non-covalent, Epitope structure for carbohydrate antigen: de-esterified homogalacturonan (DP>4),

Host | Mouse

Clonality | Monoclonal

Subclass/isotype | IgG1

Purity | Cell culture supernatant.

Format | Liquid

Quantity | 1 ml

Storage | 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.

Additional information | This antibody recognises fully de-esterified α -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

Recommended dilution | 1:10 (IHC)

Confirmed reactivity | *Arabidopsis thaliana*

Predicted reactivity | Homogalacturonan (HG) backbone-1 clade of antibodies and binds to a de-esterified α -1,4 linked homogalacturonan (HG) epitope (DP>4)

Not reactive in | No confirmed exceptions from predicted reactivity are currently known

Additional information | This antibody binds to a de-esterified α -1,4 linked homogalacturonan epitope with a degree of polymerization of 4 or more, It does not bind to a homogalacturonan trimer

Selected references | [Pattathil et al. \(2012\)](#). Immunological approaches to plant cell wall and biomass characterization: Glycome Profiling. *Methods Mol Biol.* 2012;908:61-72.doi: 0.1007/978-1-61779-956-3_6.
[Patathil et al. \(2010\)](#). A comprehensive toolkit of plant cell wall glycan-directed monoclonal antibodies. *Plant Physiol.* 2010 Jun;153(2):514-25.doi: 10.1104/pp.109.151985.