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Product no AS16 3117-1ml

Anti-Homogalacturonan-1 (clone CCRC-M38)

Product information

Immunogen	MeBSA-conjugated Arabidopsis thaliana seed mucillage (Hemogalacturonan), non-covalent, Epitope structure for crabohydrate antigen: de-estrified 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 ?-1,4 linked homogalcturonan (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 ?-1,4 linked homogalcturonan (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 ?-1,4 linked homogalcturonan epitope with a degree of polymerizaion of 4 or more, It does not bind to a homogalacturonan trimer
Selected references	Płachno at el. (2025).Cell Wall Microdomains Analysis in the Quadrifids of Utricularia dichotoma. Int J Mol Sci. 2025 Jan 20;26(2):832. doi: 10.3390/ijms26020832. 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.