Anti-Xyloglucan (CCRC-M1) antibody

Catalog: PHY8045

Product Information

Description:	Mouse monoclonal (Clone: CCRC-M1) antibody
Background:	Xyloglucan is a hemiceullose or polysaccharide that is found in the primary cell wall of all vascular plants. Xyloglucan binds to the surface of cellulose microfibrils and may link them together. This antibody binds to α-Fuc-(1,2)-β-Gal glacan epitope of fucosylated xyloglucan.
Immunogen:	Rhamnogalacturonan I/MeBSA complex (Non-covalent)
Isotype:	IgG1
Epitope Structure:	alpha-Fuc-(1,2)-betac-Gal
Form:	Lyophilized
Quantity:	1mL
Purification:	Cell culture supernatant
Reconstitution:	Reconstitution with 1mL of sterile water. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at room temperature with ice pack. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	ELISA (ELISA), Immunohistochemistry (IHC), Immunofluorescence (IF), undiluted or diluted 1:10 Note: Optimal dilutions/concentrations should be determined by the end user.
Predicted Reactivity:	Dicot plants For more information, please contact tech support at tech@phytoab.com.

Reference:

1. J. Puhlmann, E. Bucheli, M. J. Swain, N. Dunning, P. Albersheim, A. G. Darvill, and M. G. Hahn. (1994) Generation of monoclonal antibodies against plant cell wall polysaccharides. I. Characterization of a monoclonal antibody to a terminal alpha-(1,2)-linked fucosyl-containing epitope. Plant Physiol. 104:699-710.

2. G. Freshour, R. P. Clay, M. S. Fuller, P. Albersheim, A. G. Darvill, and M. G. Hahn. (1996) Developmental and tissue-specific structural alterations of the cell-wall polysaccharides of *Arabidopsis thaliana* roots. Plant Physiol. 110:1413-1429.

3. G. Freshour, C. P. Bonin, W.-D. Reiter, P. Albersheim, A. G. Darvill, and M. G. Hahn. (2003) Distribution of fucose-containing xyloglucans in cell walls of the mur1 mutant of Arabidopsis thaliana. Plant Physiol. 131:1602-1612.

4. Pattathil S, Avci U, Baldwin D, Swennes AG, McGill JA, Popper Z, Bootten T, Albert A, Davis RH, Chennareddy C, Dong R, O'Shea B, Rossi R, Leoff C, Freshour G, Narra R, O'Neil M, York WS, Hahn MG. (2010) A Comprehensive Toolkit of Plant Cell Wall Glycan-Directed Monoclonal Antibodies. Plant Physiol. 153:514-525.