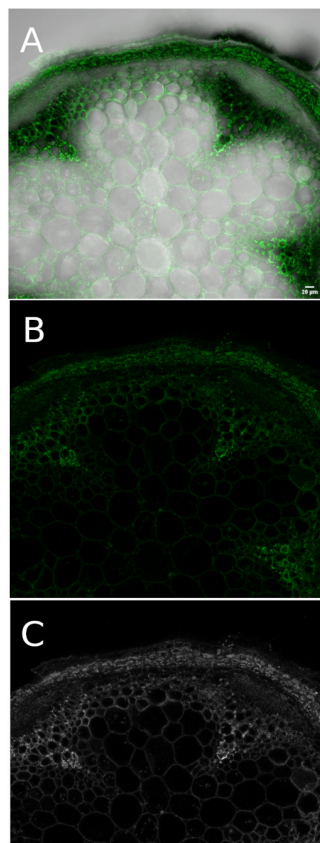


Product no **AS18 4209-1ml****Anti-Heteromannan (monoclonal, clone LM21)****Product information****Immunogen** | Polysaccharide Heteromannan**Host** | Rat**Clonality** | Monoclonal**Subclass/isotype** | IgM**Purity** | Cell culture supernatant.**Format** | Liquid**Quantity** | 1 ml**Storage** | Store at +4°C (short term) and at -20°C (long term).**Additional information** | Contains 0.05% Sodium Azide.

No cross-reactivity with other polymers

This antibody recognises B-linked mannan polysaccharides of plant cell walls.

LM21 binds effectively to B-(1-4)-manno-oligosaccharides from DP2 to DP5.

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** | [Marcus et al. \(2010\)](#). Restricted access of proteins to mannan polysaccharides in intact plant cell walls. *Plant J.* 2010 Oct;64(2):191-203.doi:0.1111/j.1365-313X.2010.04319.x.

Type of material: Fresh *Arabidopsis thaliana* stem cut on vibratome after fixation

Fixation: paraformaldehyde (4%)

Hydrophilization: no

Cell wall digestion: no

Membrane permeabilization: no

Antigen retrieval: no

Blocking buffer: 5% milk in PBS

Washing buffer: 5% milk in PBS-T

Primary antibody dilution and incubation time: 1:20 incubation 90 minutes at room temperature

Secondary antibody dilution and incubation time and supplier: Thermo Fisher Goat anti-Rat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 633 (A-21094)

Co-staining of the nucleus (DAPI): no

Cell wall and nucleus staining: none

Courtesy of Dr. Jan Łyczakowski, Jagiellonian University, Kraków, Poland