

Product no **AS18 4211-1ml****Anti-Arabinogalactan-protein, AGP (monoclonal, clone LM2)****Product information**

Immunogen	Polysaccharide Arabinogalactan-protein (AGP) from <i>Oryza sativa</i>
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. This antibody is made to rice arabinogalactan-proteins (AGPs) and it recognizes a carbohydrate epitope containing B-linked glucuronic acid. In competitive inhibition ELISAs antibody binding to gum arabic was inhibited (50%) by 70 mg/ml 1-O-methyl-B-D-GlcA. The binding of the antibody to AGPs can be fully inhibited by 10 mM 1-O-methyl-B-D-GlcA.

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
Additional information	Antibody is recognizing carbohydrate epitope containing -linked glucuronic acid.
Selected references	<u>Stacey</u> et al. (1990). Patterns of expression of the JIM4 arabinogalactan-protein epitope in cell cultures and during somatic embryogenesis in <i>Daucus carota</i> L. <i>Planta</i> . 1990 Jan;180(2):285-92.doi: 10.1007/BF00194009. <u>Knox</u> et al.(1991). Developmentally regulated epitopes of cell surface arabinogalactan proteins and their relation to root tissue pattern formation. <i>Plant J.</i> 1991 ov;1(3):317-326.doi: 10.1046/j.1365-313X.1991.t01-9-00999.x.