

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

<b>Immunogen</b>	Polysaccharide Arabinogalactan-protein (AGP) from <i>Oryza sativa</i>
<b>Host</b>	Rat
<b>Clonality</b>	Monoclonal
<b>Subclass/isotype</b>	IgM
<b>Purity</b>	Cell culture supernatant.
<b>Format</b>	Liquid
<b>Quantity</b>	1 ml
<b>Storage</b>	Store at +4 °C (short term) and at -20 °C (long term).
<b>Additional information</b>	<p>Contains 0.05% Sodium Azide.</p> <p>This antibody is made to rice arabinogalactan-proteins (AGPs) and it recognizes a carbohydrate epitope containing B-linked glucuronic acid.</p> <p>In competitive inhibition ELISAs antibody binding to gum arabic was inhibited (50%) by 70 mg/ml 1-O-methyl-B-D-GlcA.</p> <p>The binding of the antibody to AGPs can be fully inhibited by 10 mM 1-O-methyl-B-D-GlcA.</p>

**Application information**

<b>Recommended dilution</b>	1:10 (ELISA, IF)
<b>Confirmed reactivity</b>	Higher plants, ferns and mosses
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	Antibody is recognizing carbohydrate epitope containing -linked glucuronic acid.
<b>Selected references</b>	<p><a href="#">Stacey</a> 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.</p> <p><a href="#">Knox</a> 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.</p>