

Product no **AS18 4197-1ml****Pectic polysaccharide, beta-1,4-galactan (monoclonal, clone LM5)****Product information**

<b>Immunogen</b>	Pectic polysaccharide (beta 1,4-galactan)
<b>Host</b>	Rat
<b>Clonality</b>	Monoclonal
<b>Subclass/isotype</b>	IgG
<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). 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 any material adhering to the cap or sides of the tube.

**Additional information** Contains 0.05% Sodium Azide.

No cross-reactivity with (1-3)-beta-D-galactans or (1-6)-beta-D-galactans.

It recognizes a linear tetrasaccharide in (1-4)-beta-D-galactans.

In ELISA (competitive inhibition), antibody is binding to: (1-4)-beta-D-galactan was inhibited (50%) by 58 µg/ml (1-4)-beta-D-galactotetraose and by 0.7 µg/ml lupin (1-4)-beta-D-galactan.

**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>Selected references</b>	<a href="#">Andersen</a> et al. (2016). Characterization of the LM5 pectic galactan epitope with synthetic analogues of β-1,4-d-galactotetraose. Carbohydr Res. 2016 Dec ;436:36-40.doi: 10.1016/j.carres.2016.10.012. <a href="#">Jones</a> et al. (1997). Development and validation of an in vitro model system to study peripheral sensory neuron development and injury. Sci Rep. 2018 Oct 29;8(1):15961. doi: 10.1038/s41598-018-34280-3.