

Product no **AS18 4198-1ml****Anti-Pectic polysaccharide, alpha-1,5-arabinan (monoclonal, clone LM6)****Product information**

<b>Immunogen</b>	Pectic polysaccharide (alpha-1,5-arabinan), neoglycoprotein (arabinoheptaose-BSA conjugated),
<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 gum arabic. The antibody recognises a linear pentasaccharide in (1-5)-  $\alpha$ -L-arabinans. In many species it can also recognise pectic polysaccharides.  
In some species this antibody could recognize arabinogalactan-proteins (AGPs).

In competitive inhibition ELISAs, antibody is binding to: (1-5)-  $\alpha$ -L-arabinan was inhibited (50%) by 40 ng/ml (1-5)-  $\alpha$ -L-arabinopentaose and 19 ng/ml (1-5)-  $\alpha$ -L-arabinohexaose.

**Application information**

<b>Recommended dilution</b>	1:10 (ELISA, IF)
<b>Confirmed reactivity</b>	Higher plants, ferns and mosses
<b>Selected references</b>	<a href="#">Verherbruggen et al. (2009)</a> . Developmental complexity of arabinan polysaccharides and their processing in plant cell walls. <i>Plant J.</i> 2009 Aug;59(3):413-25.doi: 0.1111/j.1365-313X.2009.03876.x.