



## LM20 [Anti-Homogalacturonan] Antibody (Lot 190307a)

AB-LM20

04/19

### 1. DESCRIPTION:

The LM20, rat, monoclonal antibody recognises the  $\alpha$ -1,4-linked homogalacturonan domain of pectic polysaccharides in several species. It has no known cross-reactivity with other polymers. The LM20 antibody recognises and binds methyl esterified homogalacturonan, it does not bind to un-esterified homogalacturonan.

LM20 binds to a higher density esterified homogalacturonan epitope than JIM7.

*From the laboratory of Paul Knox, PhD, University of Leeds.*

***This product does not contain fetal bovine serum.***

### 2. SPECIFICATIONS:

<b>Antibody Name</b>	LM20
<b>Antigen</b>	Pectic polysaccharide / Homogalacturonan (esterified)
<b>Epitope</b>	Methyl esterified homogalacturonan
<b>Conjugate</b>	Unconjugated
<b>Buffer</b>	Serum-free cell culture supernatant, 0.02% sodium azide
<b>Tested Application</b>	Immunofluorescence (1:10); ELISA (1:10)
<b>Positive Control</b>	Citrus Pectin (Highly esterified)
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgM
<b>Host Species</b>	Rat

### 3. PROPERTIES:

<b>Form</b>	Liquid
<b>Shipping</b>	Shipped at ambient temperature
<b>Storage</b>	Short term stability: 2-8°C Long term stability: Below -10°C (Avoid freeze/thaw cycles)

### 4. REFERENCES:

Verhertbruggen, Y., Marcus, S. E., Haeger, A., Ordaz-Ortiz, J. J. & Knox, J. P. (2009). An extended set of monoclonal antibodies to pectic homogalacturonan. *Carbohydr Res.*, **344**, 1858-1862.