LM11 [Anti-Xylan] Antibody (Lot 190304a)

AB-LM11 **04/19**

1. DESCRIPTION:

The LM11, rat, monoclonal antibody was generated using a neoglycoprotein (xylopentaose-BSA) and is a high affinity antibody to the non-reducing end of (1,4)-β-D-xylosyl residues that constitute the backbone of xylans. LM11 antibody can bind strongly to xylans that have a higher degree of substitution of the xylan backbone such as wheat arabinoxylan where the xylan backbone is substituted with sidechains of arabinofuranosyl residues.

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

This product does not contain fetal bovine serum.

2. SPECIFICATIONS:

Antibody Name	LM11
Antigen	Heteroxylan
Epitope	Unsubstituted and low substituted β-1,4-Xylan
Conjugate	Unconjugated
Buffer	Serum-free cell culture supernatant, 0.02% sodium azide
Tested Application	Immunofluorescence (1:10); ELISA (1:10)
Positive Control	Xylan (Beechwood; purified) (**P-XYLNBE**)
Clonality	Monoclonal
Isotype	IgM
Host Species	Rat

3. PROPERTIES:

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

4. REFERENCES:

McCartney, L., Marcus, S. E. & Knox, J. P. (2005). Monoclonal antibodies to plant cell wall xylans and arabinoxylans. *J. Histochem Cytochem*., **53**, 543-6.