



LM10 [Anti-Xylan] Antibody (Lot 190303a)

AB-LM10

04/19

1. DESCRIPTION:

The LM10, 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. LM10 antibody has no cross-reactivity to highly substituted xylan 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	LM10
Antigen	Heteroxylan
Epitope	Unsubstituted 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	IgG2c
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.