The LM10 rat monoclonal antibody is a high affinity antibody to (1-4)-β-D-xylosyl residues found in the heteroxylan components of certain plant cell wall polymers. LM10 can recognise unsubstituted and relatively low-substituted xylans in several species. It has no cross-reactivity with wheat arabinoxylan. The LM10 xylan epitope is found widely in the cell walls of many plants.

**Description:** Lyophilised Rat monoclonal protein-G affinity purified antibody specific for xylan.

**Immunogen:** Antibody generated using a neoglycoprotein (xylopentaose-BSA).

**Antibody Isotype:** IgG

**Antibody Purity:** Protein G Affinity Purified

**Vial Constituents:** Lyophilised monoclonal antibody (50 µg) with stabilizer 20%.

**Storage Instructions:** Lyophilised antibody is stable at 4°C when stored with desiccant. Reconstitute lyophilised powder in 100 µL of 18 MΩ H₂O, aliquot and store frozen at -80°C for 1 year. Avoid freeze-thaw cycles.

**Tested Applications:** ELISA and IF 10 µg/mL.

**Specificity:** Antibody recognises unsubstituted and relatively low-substituted xylans in several species. It does not bind to wheat arabinoxylan.