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LM6 1,5-arabinan

Quality Control Certificate of Analysis

Catalogue No.: LM6-050

Unit Size: 50 µg/100 µL

Lot No: 1212-06

The LM6 rat monoclonal antibody is a high affinity antibody to (1-5)- α -L-arabinosyl residues found in the arabinan components of certain pectic polymers. (1-5)- α -L-arabinan is often associated with the pectic polymer rhamnogalacturonan-I. The LM6 arabinan epitope is widely found in the cell walls of many plants and can also be present in isolated pectin preparations used for commercial purposes.

Description: Lyophilised Rat monoclonal protein-G affinity purified antibody specific for (1-5)- α -L-arabinan

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

Antibody Isotype: IgG

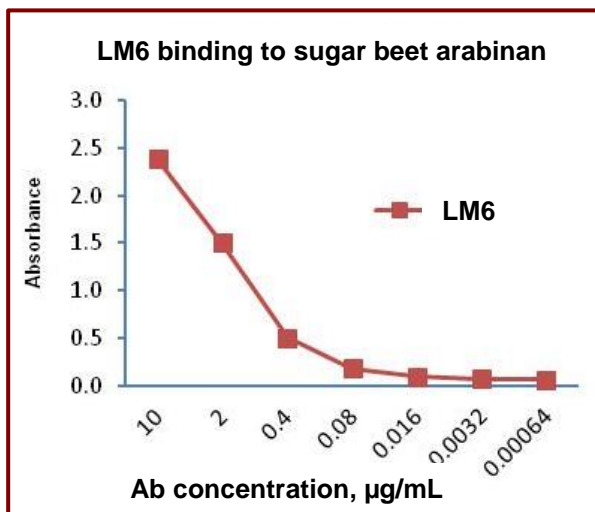
Antibody Purity: Protein G Affinity Purified

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 M Ω 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 arabino-1,5-oligosaccharides and 1,5-arabinan polymers. Antibody does not bind to gum Arabic but it can bind to some arabinogalactan-proteins.



LM6 arabinan 10 µg/mL

Left: ELISA titration of LM6 binding to sugar beet arabinan coated onto a microtitre plate at 50 µg/mL.

Right: IF micrograph showing the binding of the LM6 (10 µg/mL) to a section of a tobacco seed.

LM6 Reference: Willats *et al.* (1998). Generation of a monoclonal antibody specific to (1→5)- α -L-arabinan. *Carbohydrate Research* 308:149.