

Datasheet for Lotus tetragonolobus Lectin

Lotus tetragonolobus Lectin	
Lotus	Catalog Number: MGC-J109 Pkg: 5mg Product Form: Lyophilized powder (salt-free) Storage: Stable for 1 year at 4°C

Origin Lotus tetragonolobus

Sugar Specificity L-Fuc

Mitogenic Activity None

Blood Type Specificity H (O)

Structure Isolectins A, B, and C are present. Isolectins A and C are tetramers composed of subunits with a molecular weight of 27,800, while B is a dimer composed of subunits with a molecular weight of 27,000. The amino acid sequences have also been studied

Features Strongly binds to type 2 blood group antigen Le^aY and weakly to Le^aX. Does not bind to type 1 chains (Le^a, Le^b) [4]. The specificity is slightly different from UEA-I lectin.

References

1. Kalb, A., Biochim. Biophys. Acta, 168, 532 (1968)
2. Blumberg, S., et al., Biochim. Biophys. Acta, 264, 171 (1972)
3. Konami, Y., Yamamoto, K., Osawa, T., FEBS Lett., 268, 281 (1990)
4. Pereira, M. E. A., Kabat, E. A., Biochemistry, 13, 3184 (1974)