

Datasheet for MAM (Maackia amurensis) – Biotin Conjugated

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MAM	Catalog Number: MGC-J210 Pkg: 1 mg Product Form: Lyophilized powder (salt-free) Storage: Stable for 1 year at 4°C Applications: Staining and detection of glycoprotein sugar chains

Origin	Maackia amurensis
Sugar Specificity	Sia α 2-3Gal
Mitogenic Activity	Present
Blood Type Specificity	Non-specific
Structure	Estimated molecular weight of ~31,000 Da. Subunits are linked by disulfide bonds. Monovalent MAM variants have been developed for applications like flow cytometry.
Features	MAM binds strongly to tri- and tetra-antennary complex-type N-glycans with Sia α 2-3Gal β 1-4GlcNAc. Repeated N-acetyllactosamine units enhance binding. No binding to Sia α 2-6 or mucin-type glycans. Distinct from MAH lectin

References

- 1) Yamamoto K. et al., 1994
- 2) Shibuya N., Kaku H., 1995
- 3) Knibbs R. N. et al., J. Biol. Chem., 266, 83 (1991)