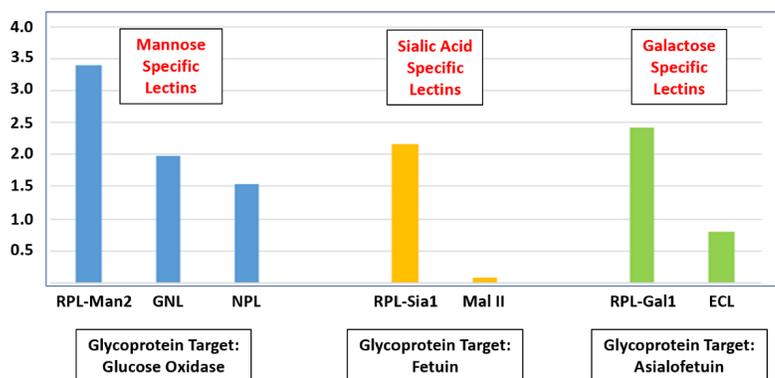
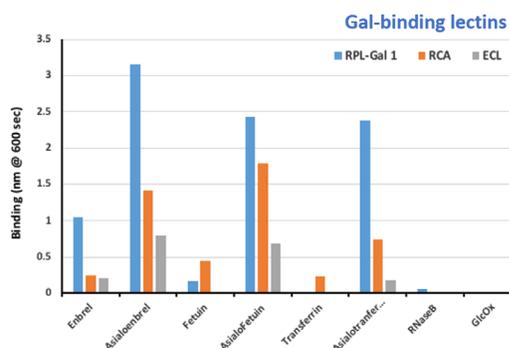


Biotinylated RPLs vs Biotinylated Plant Lectins on Streptavidin BLI Sensors

Bio-Layer Interferometry (BLI) is widely used for studying biomolecular interactions such as antibody binding to an antigen, or small molecule drug binding to a protein target. It has also been adapted for glycoanalysis, making it a valuable tool for applications spanning basic research through to biotherapeutic manufacturing. Recombinant Prokaryotic Lectins (RPLs) have proven utility for BLI, where they offer several advantages over traditional, plant-based lectins.

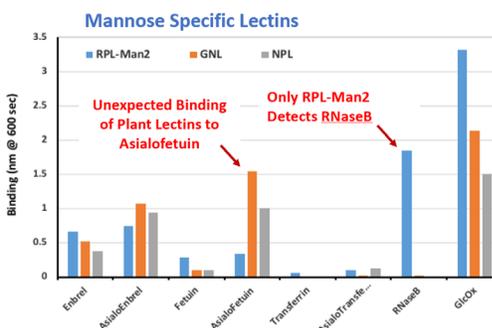


RPLs have better binding over the plant lectins counterparts (GNA, NPL, Mal II and ECL)



All Glycoprotein Targets Tested at 20µg.mL⁻¹

RPL-Gal1 has better binding over the plant lectin counterparts (RCA and ECL)



All Glycoprotein Targets Tested at 20µg.mL⁻¹

- RPL-Man2 has better binding over the plant lectin counterparts (GNL and NPL), it binds to high Man glycoprotein, RNaseB and Glucose Oxidase (GlcOx)
- There is no cross-linking in RPL-Man2 with Gal residues in Asialofetuin, RPL-Man2 is highly specific

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