

Supplementary Table S2. List of proteins used for quality control of microarray, their sources, conditions of analysis and their reported carbohydrate-binding specificity.

Proteins	Source ^a	Reported carbohydrate-binding specificity / Recognition ^b	Analysis conc.	Detection reagents & concentrations ^c	Blocking solution ^d
LECTINS					
Human Dectin-1	Sino Biological (10215-H01H)	β 1,3-glucooligomers with a minimum chain length of DP-10 or DP-11 (Palma <i>et al.</i> , 2006; Palma <i>et al.</i> , 2015)	10 μ g/ml	BI anti-human IgG (Vector BA-3000); 10 μ g/mL	Blocker A
Human DC-SIGN (Dendritic cell-specific ICAM-3-grabbing non-integrin)	Sino Biological (10200-H01H)	Recognition of fuco- (Silva <i>et al.</i> , 2021), manno- (Gao <i>et al.</i> , 2021; Geissner <i>et al.</i> , 2019; Vendele <i>et al.</i> , 2020) and gluco-oligosaccharides (Palma <i>et al.</i> , 2015)	10 μ g/ml	BI anti-human IgG (Vector BA-3000); 10 μ g/mL	Blocker A
Mouse Dectin-2	R&D Systems (1525-DC-050)	Recognition of α -mannose residues, such as high mannose-type <i>N</i> -glycans (Man ₈ GlcNAc ₂) (Vendele <i>et al.</i> , 2020)	5 μ g/mL	Ab1: mouse monoclonal anti-poly-Histidine (Sigma SAB4200620); 15 μ g/mL; Ab2: BI anti-mouse IgG (whole molecule) (Sigma B7264); 15 μ g/mL	Blocker A
ConA (Concanavalin A)	Vector (B-1005-5)	Terminal α -Man-linked oligosaccharides (Pejchal <i>et al.</i> , 2011) Terminal α - or β -Glc-linked oligosaccharides (Geissner <i>et al.</i> , 2019; Palma <i>et al.</i> , 2015)	5 μ g/mL	N/A	Blocker B
MONOCLONAL ANTIBODIES					
400-2	Biosupplies	Raised against β 1,3-glucan laminarin; β 1,3-glucose oligosaccharide sequences in β 1,3-glucans (DP \geq 2) (P. J. Meikle, Bonig, Hoogenraad, Clarke, & Stone, 1991).	15 μ g/mL	BI anti-mouse IgG (Sigma B7264); 10 μ g/mL	Blocker A

^aThe commercial source is indicated.

^bThe main carbohydrate-binding specificity assigned is indicated with a reference.

^cAb1, primary antibody; Ab2, secondary antibody; BI, biotinylated; N/A, not applicable.

^dBlocker A: 1% (w/v) BSA, 0.02% (v/v) casein in HBS, 5 mM CaCl₂; Blocker B: 3% (w/v) BSA in HBS, 5 mM CaCl₂. HBS, 10 mM HEPES-buffered saline (pH 7.4), 150 mM NaCl ; BSA, bovine serum albumin (Sigma A8577); Casein (Pierce 37528).

Supplementary References:

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