

Datasheet for DBA (Dolichos biflorus)

DBA (Dolichos biflorus)	
DBA	Catalog Number: MGC-J104 Pkg: 5mg Product Form: Lyophilized powder (salt-free) Storage: Stable for 1 year at 4°C

Origin	Dolichos biflorus (horse gram)
Sugar Specificity	Binds strongly to D-GalNAc, particularly GalNAc α 1-3GalNAc
Mitogenic Activity	None
Blood Type Specificity	Strongly agglutinates A blood group, especially A1 subtype
Structure	A tetrameric glycoprotein (α 2 β 2) with a molecular weight of 110,000 Composed of two types of subunits; molecular weights calculated from DNA sequences are 27,398 and 26,199 respectively
Features	Strongest binding to: GalNAc α 1-3GalNAc α 1-3Gal β 1-4Gal β 1-4Glc Followed by: GalNAc α 1-3GalNAc Lesser: GalNAc α 1-3Gal > GalNAc > Ethyl β -GalNAc [Ref: 5]) Binds strongly to mucin-type oligosaccharides containing GalNAc α 1-3GalNAc Does not bind to N-linked (asparagine-type) oligosaccharides

References

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