

Datasheet for DBA – *Dolichos biflorus* Lectin (Biotin-labeled)

DBA – <i>Dolichos biflorus</i> Lectin (Biotin-labeled)	
DBA	Catalog Number: MGC-J204 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 and blood group-related glycans

Origin	Horse gram (<i>Dolichos biflorus</i>)
Sugar Specificity	D-GalNAc (N-acetyl-D-galactosamine) Strong binding to GalNAc α 1-3GalNAc structures
Mitogenic Activity	None
Blood Type Specificity	Blood group A, with particularly strong agglutination of A1
Structure	Glycoprotein with molecular weight of 110,000 Tetramer composed of two α and two β subunits (α 2 β 2) Based on DNA sequences, subunit molecular weights are 27,398 and 26,199
Features	Binding affinity (descending order): GalNAc α 1-3GalNAc α 1-3Gal β 1-4Gal β 1-4Glc GalNAc α 1-3GalNAc GalNAc α 1-3Gal GalNAc Ethyl β -GalNAc Strongly binds to mucin-type glycans containing GalNAc α 1-3GalNAc structures Does not bind to N-linked glycans

References

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