

Datasheet for PHA-L4 (Phaseolus vulgaris) – Biotin Conjugated

PHA-L4 (Phaseolus vulgaris) – Biotin Conjugated	
PHA-L4	Catalog Number: MGC-J212 Pkg: 1 mg Product Form: Lyophilized powder (salt-free) Storage: Stable for 1 year at 4°C Applications: Staining and detection of glycoprotein glycans

Origin	Red kidney bean (Phaseolus vulgaris)
Sugar Specificity	D-GalNAc
Mitogenic Activity	Present
Blood Type Specificity	Non-specific
Structure	PHA-L4 is a tetrameric glycoprotein (~126,000 Da), composed solely of subunit L (pI = 5.25) and displays weak erythrocyte agglutination. Five types of isolectins exist (E4, E3L1, E2L2, E1L3, L4), composed of E or L subunits.
Features	PHA-L4 binds to tri- and tetra-antennary N-linked complex-type glycans with β -Man branched at the 6-position. Binding is inhibited by 0.1 M tetraborate. Known for affinity to glycans expressed on cancer cells, useful for tumor cell selection.

References

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