

Datasheet for UEA-I – Gorse Lectin

| UEA-I – Gorse Lectin | |
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| UEA-I | Catalog Number: MGC-J119 Pkg: 2 mg Product Form: Lyophilized powder (salt-free) Storage: Stable for 1 year at 4°C Applications: Staining and detection of glycoprotein sugar chains |

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| Origin | European gorse (<i>Ulex europaeus</i>) |
| Sugar Specificity | α-L-Fuc (alpha-L-fucose) |
| Mitogenic Activity | None |
| Blood Type Specificity | O >> A1, A2 |
| Structure | The molecular weight of UEA-I is approximately 26,700 based on its amino acid sequence. It has been reported that the primary structure of UEA-I shows homology with several other lectins such as those from Lotus |
| Features | UEA-I binds strongly to H (O) type chains of type 2 blood group antigens [Refs: 2), 4), 5)]. It binds weakly to LeY, which is also a type 2 chain. It does not bind to type 1 chains. |

References

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- 4) Pereira, M. E. A., Kabat, E. A., et al., Arch. Biochem. Biophys., 185, 108 (1978)
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