

Datasheet for Anti-H Lectin

Catalog Number:	MGC-J121
Pkg:	8ml
Product Form:	Solution (PBS + 0.02% NaN ₃)
Storage:	Stable for 1 year at 4°C
Origin	European gorse (<i>Ulex europaeus</i>)
Sugar Specificity	Anti-H (O) agglutinin
Mitogenic Activity	None
Blood Type Specificity	H (O)
Features	<p>The Anti-H agglutinin is extracted from <i>Ulex europaeus</i> seeds.</p> <p>There are two types of Anti-H lectins:</p> <ul style="list-style-type: none">• Eel serum type: Agglutination is inhibited by L-fucose• Cytisus type: Agglutination is inhibited by N,N'-diacetylchitobiose <p>Anti-H lectin, when used in combination with anti-A and anti-B sera, allows for identification of blood type O without the need for enzymatic treatment of test red blood cells. This makes it applicable in forensic tests using samples such as dried blood, saliva, semen, hair, or tissue fragments</p>

Dissociation Test (Examples)

Sample: Hair — 5 mm × 2 strands

- Assay using 0.5% human type O red blood cells treated with trypsin at 37°C for 60 minutes

Sample: Dried blood (on cotton thread, 3 months old) — 5 mm × 2 pieces

- Assay using 0.5% human type O red blood cells

Blood Type	Hair Sample	Bloodstain Sample
A Type	±	—
B Type	—	—
O Type	±	±
AB Type	±	—

References

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4. Yoshimasa Tsutsubuchi, Report of the National Research Institute of Police Science, Forensic Science Section, 36, 63 (1983)Teneberg, S., et al., J. Biol. Chem., 269, 8554 (1994)
5. Itakura, Y., Nakamura-Tsuruta, S., Kominami, J., et al., J. Biochem (Tokyo), 142, 459 (2007)