

PRODUCT SPECIFICATION

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HSR 002 Mannan-binding lectin oligomer deficient serum

Human serum

Article No.	36832
Product Name	HSR 002 Mannan-binding lectin oligomer deficient serum
Presentation	Preparation: Undiluted pooled human serum Content: <5 arbitrary unit (AU) oligomer per ml Solvent: None Storage: -18 °C or colder
Preparation	The serum was tested negative for HbsAg and for antibodies against HIV 1, HIV-2 and HCV. Blood from healthy donors with MBL genotype B/B was collected in flasks without anticoagulant and allowed to clot. Serum was collected after centrifugation and pooled. After mixing, 1-ml aliquots of the serum were sub dispensed into 1-ml cryo tubes. The material was frozen at -20 °C.
Background	Human MBL ¹ is an opsonin, which activates the complement system ² on binding to microbial polysaccharides. Plasma concentrations of normally oligomerized MBL range from 0 to 7000 ng/ml and may be below 50 ng/ml in up to 12% of healthy Caucasian blood donors. Low plasma concentrations may be associated with an inherited opsonin defect ³ . MBL from donors of B/B genotype is poorly oligomerized and gives low readings in MBL assays selective for oligomerized MBL.
References	<ol style="list-style-type: none">1. Kawasaki N, Kawasaki T, Yamashina I (1983) Isolation and characterization of a mannan-binding protein from human serum. J Biochem (Tokyo) 94, 937-947.2. Turner MW (1998) Mannose-binding lectin (MBL) in health and disease. Immunobiology 199, 327-339.3. Garred P, Madsen HO, Kurtzhals JA, Lamm LU, Thiel S, Hey AS, Svejgaard A (1992) Diallelic polymorphism may explain variations of the blood concentration of mannan-binding protein in Eskimos, but not in black Africans. Eur J Immunogenet 19, 403-412.

Conditions

For research use only. Not for use in diagnostic procedures. Not for therapeutic use or applications.

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