

Relation between HBsAg Binding with Polymerized Human Serum Albumin and HBV Replication

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Relation between HBsAg Binding with Polymerized Human Serum Albumin and HBV Replication

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Abstract

The binding between hepatitis B surface antigen (HBsAg) and polymerized human serum albumin (poly-HSA) was studied in HBsAg-negative (25) and HBsAg-positive (92) sera by a sensitive enzyme-linked immunosorbent assay technique, and a correlation of binding activity was made with HBe-markers and hepatitis B virus-specific DNA polymerase. The binding could be detected only in HBsAg-positive sera and was found to be independent of the presence of HBe-markers and DNA polymerase activity. Further, binding was noted in significantly higher proportions of sera samples from the patient group compared with the healthy carrier group (p less than 0.01).

Reference

Gandhi, B. M. & Tandon, B. N. A low cost micro-ELISA test for hepatitis B surface antigen. *Tropical gastroenterology*, 5: 142-148 (1984).