

IgG and IgM antibodies specific for OspC peptides in sera from patients with Lyme disease. Sera from patients with Lyme disease were confirmed to be positive for anti-*Borrelia* antibodies using commercially available Western blot strips prior to incubation with OspC peptides (10 µg/ml) in an ELISA. Antibody binding was detected using a polyclonal HRP-labeled goat anti-human IgG and IgM ( $\gamma$ - and  $\mu$ -chain-specific) antibody. Upper panels show dose titration of Lyme disease patient sera (Lyme sera, n = 10) and healthy control sera (normal sera, n = 10) on OspC peptide-coated 96-well plates. Data are reported as mean absorbance  $\pm$  SD. Lower panels depict binding of serum from Lyme disease patients and healthy controls (normal sera) at a single dilution of 1:100. Data are reported as absorbance at 450 nm; the solid lines represent means  $\pm$  SD. Numbers of samples: for OspC1, Lyme disease, n = 20; normal, n = 10; for OspC30, Lyme disease, n = 17; normal, n = 10. Patient samples whose results are depicted in the upper panels are different from those used in the lower panels. \*, P < 0.05 by the Mann-Whitney test.

## Images in this article



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