

## Anti-OspA [LA-2] Standard Size Ab01070-3.0

**Isotype and Format:** Mouse IgG2b, Kappa

**Clone Number:** LA-2

**Alternative Name(s) of Target:** Outer surface protein A

**UniProt Accession Number of Target Protein:** P0A3N6

**Published Application(s):** IP, NTRL, WB, IF

**Published Species Reactivity:** *Borrelia burgdorferi*

**Immunogen:** This antibody was generated by immunising mice.

**Specificity:** Recognises the three surface-exposed loops of the C-terminal domain of OspA that are on the tip of the elongated molecule most distant from the lipid-modified N-terminus. The residues involved in these loops are: 203-220, 224-233, and 246-257.

**Application Notes:** LA-2 binds to *Borrelia burgdorferi*, the causative agent of Lyme disease (Borreliosis) has been used in serological analyses of *B. burgdorferi* isolates by immuno-blotting and immunofluorescence (Kramer et al, 1990). This antibody has also been applied to affinity purification of OspA. This antibody neutralised *B. burgdorferi* infectivity when passively transferred to SCID mice (Schaible et al, 1990).

**Antibody First Published in:** Wilske et al. Antigenic Variability of *Borrelia burgdorferi* Ann N Y Acad Sci. 1988;539:126-43. [PMID:2461135](#)

**Note on publication:** Describes the use of monoclonal and polyclonal antibodies to characterise proteins of *B. burgdorferi* by Western Blot.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.