

***Borrelia burgdorferi* p66**

Antigen Specification

Product Number: 41700

Description:

Borrelia burgdorferi (strain B31)
outer membrane protein p66.
Recombinant antigen for in vitro
research and manufacturing use only.

Immunological function:

Binds IgG-type human antibodies.

Origin:

Recombinant. Expressed in *E. coli*
bacterial cells.

Expression construct:

Full-length cDNA coding for *Borrelia burgdorferi* p66 fused to a deca-histidine purification tag.

Biochemical tests:

SDS-PAGE (purity > 80%); Western
blot with patient sample.

Calculated molecular weight:

67 kDa

Calculated isoelectric point:

pH 6.30

Endotoxin content:

Tested by LAL (Limulus Amoebocyte
Lysate) chromogenic endotoxin assay.

Immunological tests/Functionality:

Immunodot analyses with Lyme
disease positive/negative samples;
suitable for LTT (lymphocyte
transformation test).

**Recommended buffer/storage and
handling conditions:**

Recommendations for storage buffer:
neutral to slightly alkaline pH.
Storage conditions: -70°C or below.
Repeated freeze/thaw cycles should
be avoided.

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