

***Borrelia burgdorferi* p30**

Antigen Specification

Product Number: 42600

Description:

Borrelia burgdorferi p30 protein.
Recombinant antigen for research use
or manufacturing only.

Immunological function:

Binds IgG- and IgM-type human
antibodies.

Origin:

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

Expression construct:

Full-length cDNA coding for *Borrelia*
burgdorferi p30 fused to a hexa-
histidine purification tag.

Biochemical tests:

SDS-PAGE (purity > 80%); Western
blot with human plasma.

Calculated molecular weight:

29,294 Dalton

Calculated isoelectric point:

pH 5.34

Endotoxin content:

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

Immunological tests/Functionality:

Immunodot test with Lyme disease
positive/negative plasma.

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

Recommendations for storage buffer:
neutral to slightly alkaline pH and 20%
glycerol as cryoprotective agent.
Storage conditions: -70°C or below.
Repeated freeze/thaw cycles should
be avoided.

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