

***Borrelia burgdorferi* p28**

Antigen Specification

Product Number: 42500

Description:

Borrelia burgdorferi p28 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* p28 fused to a deca-
histidine purification tag.

Biochemical tests:

SDS-PAGE (purity > 80%); Western
blot with monoclonal anti-penta-His
antibody.

Calculated molecular weight:

26,881 Dalton

Calculated isoelectric point:

pH 6.60

Endotoxin content:

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

Immunological tests/Functionality:

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

**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.

Copyright 2017 DIARECT AG