

***Borrelia miyamotoi* GlpQ**

Antigen Specification

Product Number: 42400

Description:

Borrelia miyamotoi (strain FR64B)
GlpQ protein.
Recombinant antigen for in vitro
research and manufacturing use only.

Calculated molecular weight:

38 kDa

Calculated isoelectric point:

pH 6.25

Immunological function:

Binds IgG- and IgM-type human
antibodies.

Endotoxin content:

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

Origin:

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

Immunological tests/Functionality:

Immunodot analyses with
positive/negative samples.

Expression construct:

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

**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.

Biochemical tests:

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

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