

***Borrelia bavariensis* p58**

Antigen Specification

Product Number: 40700

Description:

Borrelia bavariensis (strain PBi) surface antigen p58.
Recombinant antigen for in vitro research and manufacturing use 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 bavariensis* p58 fused to a hexahistidine purification tag.

Biochemical tests:

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

Calculated molecular weight:

61 kDa

Calculated isoelectric point:

pH 6.27

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 and 20% glycerol as cryoprotective agent.
Storage conditions: -70°C or below.
Repeated freeze/thaw cycles should be avoided.

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