

***Babesia microti* p41**

Antigen Specification

Product Number: 44000

Description:

Babesia microti (strain MN1) p41 protein.

Recombinant antigen for in vitro research and manufacturing use only.

Calculated molecular weight:

38 kDa

Calculated isoelectric point:

pH 5.45

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 *Babesia microti* p41 fused to a hexa-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 patient sample.

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