

***Babesia microti* IRA**

Antigen Specification

Product Number: 44200

Description:

Babesia microti (strain RI) IRA protein.
Recombinant antigen for in vitro
research and manufacturing use only.

Immunological function:

Binds IgG- and IgM-type human
antibodies.

Origin:

Recombinant. Expressed by
recombinant baculovirus (*Autographa
californica* multiple nuclear
polyhedrosis virus; AcMNPV) infection
of *Spodoptera frugiperda* Sf9 insect
cells.

Expression construct:

Full-length cDNA coding for *Babesia
microti* IRA fused to a deca-histidine
purification tag.

Biochemical tests:

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

Calculated molecular weight:

78 kDa

Calculated isoelectric point:

pH 6.52

Endotoxin content:

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

**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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