

***Anaplasma phagocytophilum* p44**

Antigen Specification

Product Number: 45500

Description:

Anaplasma phagocytophilum (strain HZ), formerly known as *Ehrlichia phagocytophila*, p44 protein. 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 *Anaplasma phagocytophilum* p44 fused to a deca-histidine purification tag.

Biochemical tests:

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

Calculated molecular weight:

46 kDa

Calculated isoelectric point:

pH 5.94

Endotoxin content:

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

Immunological tests/Functionality:

Immunodot analyses with positive/negative samples.

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: neutral to slightly alkaline pH and 6 M urea.

Storage conditions: -70°C or below. Repeated freeze/thaw cycles should be avoided.

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