

***Anaplasma phagocytophilum* Msp5**

Antigen Specification

Product Number: 45600

Description:

Anaplasma phagocytophilum (strain HZ), formerly known as *Ehrlichia phagocytophila*, major surface protein 5 (Msp5).

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 *Anaplasma phagocytophilum* Msp5 fused to a hexa-histidine purification tag.

Biochemical tests:

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

Calculated molecular weight:

22 kDa

Calculated isoelectric point:

pH 5.23

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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