

***Yersinia enterocolitica* (O:9) YopD**

Antigen Specification

Product Number: 43300

Description:

Yersinia enterocolitica (O:9) YopD protein. Recombinant antigen for research use or manufacturing only.

Immunological function:

Binds IgG-, IgM, and IgA-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 *Yersinia enterocolitica* (O:9) YopD fused to a deca-histidine purification tag.

Biochemical tests:

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

Calculated molecular weight:

35 kDa

Calculated isoelectric point:

pH 6.71

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 0.02% SDS.

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

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