



Recombinant *Y. enterocolitica* (O:9) YopE Antigen (DAG-WT157)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | Recombinant <i>Yersinia enterocolitica</i> (O:9) YopE protein. Full-length cDNA coding for <i>Yersinia enterocolitica</i> (O:9) YopE fused to a deca-histidine purification tag |
| Purity | >80% as determined by SDS-PAGE |
| Conjugate | His |
| Applications | Immunoassays |
| Molecular Weight | 24kDa |
| Format | Liquid |
| Size | 1 mg |
| Buffer | Neutral to slightly alkaline pH and 20% glycerol |
| Preservative | None |
| Storage | Store at -70°C or below. Avoid freeze / thaw cycles |

BACKGROUND

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| Introduction | A key virulence factor of pathogenic <i>Yersinia enterocolitica</i> strains is a plasmid-encoded type III secretion system, through which <i>Yersinia</i> outer proteins (Yops) are injected into the host cell. Yop E, a GTPase activation protein controls pore formation by activating small Rho GTPase, leading to inhibition of actin polymerization. |
| Keywords | <i>Yersinia enterocolitica</i> ; <i>Y. enterocolitica</i> ; <i>Yersinia</i> outer proteins; Yops |