



L. monocytogenes Flagellin [His] (DAG-H10322)

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

PRODUCT INFORMATION

Species	L. monocytogenes
Purity	> 95 % as determined by SDS-PAGE
Conjugate	His
Size	10 µg, 20 µg
Preservative	None
Storage	Store it under sterile conditions at -70 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction	Flagellin (FliC) is a subunit protein that polymerizes (along with other proteins) to form the filaments of bacterial flagella. Assembly of the bacterial flagellum occurs in a precise, temporal order where the basal component (FlgE, FlgK, and FlgL are assembled inside the bacterial membrane, followed by exportation of the filament cap protein FliD, and secretion of about 20,000 flagellin monomers (FliC) through the channel. FliC monomers are polymerized to form the tail filament. FliC monomers can function as pathogen-associated molecular patterns (PAMPs), and can be detected by host cells through surface-localized toll-like receptor6(TLR5) and cytosolic Nod-like receptors (NLRs).
Keywords	41 kDa antigen; flaF; Flagellar filament 41 kDa core protein; fliC; hag; P41; Flagellin; FliC