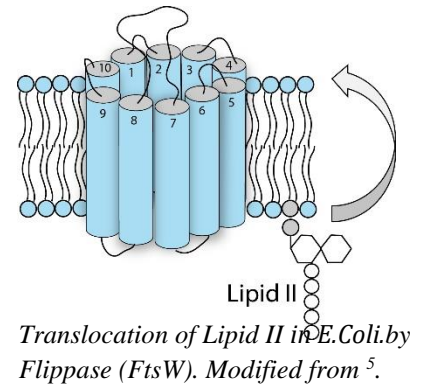


Anti-Flippase / FtsW

Catalogue no.: Q73, Q74, Q75 and Q76
Clone name: FtsW G1, FtsW F3, FtsW E7 and FtsW C11
Product: VHH directed against Flippase / FtsW.

Target: Flippase/FtsW (UniProtKB [P0ABG4](#)) is a well-preserved peptidoglycan polymerase among bacteria, which plays an important role in cell division, elongation, or sporulation ¹. This multi-membrane spanning protein (10 predicted TMD domains) has been suggested to function as an inner membrane-localized transporter of Lipid II, an important building block of the bacterial cell wall (see figure) ^{2,3}. In addition, FtsW is thought to stabilize the cytokinetic ring and facilitate the synthesis of peptidoglycans in conjunction with the transpeptidases ⁴



Source: Recombinant monoclonal VHH (*Llama glama*), purified from *S. cerevisiae*. Immunization and phage-display selection on *E. coli* membrane fractions containing FtsW.

Specificity: Flippase of Gram-negative bacteria (*E.coli* strain K12).
 Epitope: Extracellular domains.

Formulation: Frozen 0.2 µm filtered solution of VHH in PBS.

Storage: Shipped on blue ice. Store at 4°C or -20°C (aliquots).
 Addition of 0.02% sodiumazide is optional.

Applications: ELISA, IF, IP, co-crystalliation for 3D structure determination, inhibition of bacterial growth

Products:

Cat.no.	Target	Tag	Label
Q73 - Q76	Flippase	Tagless	No label
Q73c - Q76c	Flippase	C-direct	No label
Q73c-lab - Q76c-lab	Flippase	C-direct	Biotin / NOTA / HiLyte488 / IRDye800CW

References:

- [Ruiz N.](#) (2016) Lipid Insights 8:21-31
- [Mohammadi et al.](#) (2011) EMBO J 30:1425-1432
- [Mohammadi et al.](#) (2014) J Biol Chem 289:14707-14718
- [Cho et al.](#), (2016) Nat Microbiol 1:16172
- [Leclercq et al.](#), (2017) Sci Rep 7:43306