



15-1014: Flagellin

Application : Functional Assay

Reactivity : Mouse, Human

Alternative Name : FlIC

Description

Flagellin is the subunit protein which polymerizes to form the filaments of bacterial flagella. It activates the innate immune system via Toll-like receptor 5 (TLR5) and the intracellular protein NLRC4 (NLR family CARD domain-containing protein 4).

Source: Recombinant Flagellin from *Salmonella typhimurium*

Endotoxin level: <0.5 EU/μg

Specificity: TLR5 agonist

Product Info

Amount : 200 μg / 100 μg

Content : 0.5 mg/ml in PBS + 10% Glycerol

Storage condition : Upon receipt, store at -20°C (Stable for at least 6 months). Avoid frequent freeze/thaw cycles.

Application Note

TLR5 can be stimulated in vitro by Flagellin at a concentration of 5-50ng /ml and in vivo at a starting concentration of 0.1-1μg /mouse.



Figure 1: Induction of TLR5 activity by Flagellin in TLR5/NF-κB Reporter - HEK 293