

## 15-1014: Flagellin

**Application :** Functional Assay  
**Reactivity :** Mouse, Human  
**Alternative Name :** FlhC

### 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.

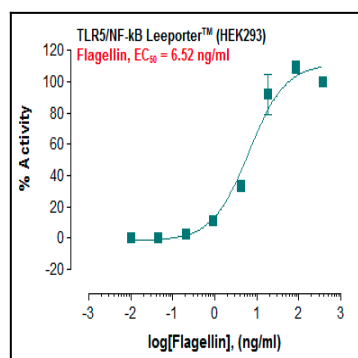


Figure 1: Induction of TLR5 activity by Flagellin in TLR5/NF-kB Leepporter - HEK 293