

## 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 strain 14028*

**Endotoxin level:** <0.01 EU/ $\mu$ g

**Specificity:** TLR5 agonist

### Product Info

**Amount :** 200  $\mu$ g / 100  $\mu$ g

**Content :** Lyophilized in PBS.

**Storage condition :** Upon receipt, store at -20°C (Stable for at least 6 months). Reconstitute with 100 ul of sterile endotoxin free water. 1mg/ml after reconstitution.

### 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 0.1-1 $\mu$ g /mouse.

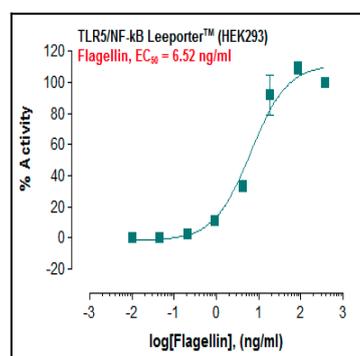


Figure 1: Induction of TLR5 activity by Flagellin in TLR5/NF-kB Leepporter - HEK 293