

Salmonella typhimurium Flagellin protein (active)

Cat. No. GTX65630-pro

Applications	Functional Assay
Species	Salmonella typhimurium

Package
10 µg

Applications

Application Note

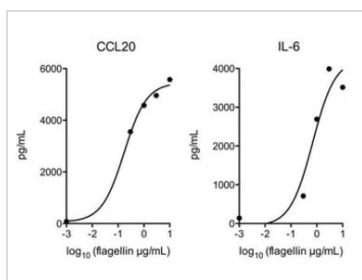
Activation of TLR5 in human epithelial cell assays based on NF-κB luciferase fusions, on expression of IL-8 (CXCL8), CCL20, inducible nitric oxide synthase, β-defensin 2 and ma- trilysin (MMP-7). Maturation of dendritic cells in in vitro and in vivo assays. Adjuvant activity on foreign antigens delivered by subcutaneous and intranasal routes in mice. TLR5 can be stimulated in vitro by Flagellin (high Purity) at a concentration of 5-50ng /ml and in vivo at a starting concentration of 0.1-1µg /mouse.

Product Note Binds to human and mouse TLR5 (Toll-like receptor 5).

Properties

Form	Lyophilized powder
Buffer	Reconstitute with 100µl ddH ₂ O to 0.1mg/ml. Lyophilized from 0.2µm-filtered PBS.
Preservative	No preservatives
Storage	Store at -20°C or below. After reconstitution, keep as concentrated solution. Aliquot and avoid freeze-thaw cycles.
Region/Sequence	Salmonella typhimurium strain 14028
Expression System	Salmonella typhimurium strain 14028
Purity	??95% by SDS-PAGE.
Endotoxin	< 0.01 EU/µg
Conjugation	Unconjugated
Note	For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

DATA IMAGES



GTX65630-pro Image

GTX65630-pro Salmonella typhimurium Flagellin protein activates TLR5 in vivo. Mice WT are injected i.v. with indicated doses of Flagellin protein. After 2 hours, levels of CCL20 and IL-6 in the serum were measured by ELISA. As a control, mice TLR5 -/- have been injected i.v. with 10µg of Flagellin protein, but no expression of CCL20 and IL-6 could be observed (not shown).



For full product information, images and publications, please visit our [website](#).