

Product Datasheet

Recombinant Bacteria Flagellin TLR5 Mutant His Protein NBP3-18159

Unit Size: 10 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-18159**Recombinant Bacteria Flagellin TLR5 Mutant His Protein****Product Information**

Unit Size	10 ug
Concentration	Lyoph
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with 100 ul sterile water (0.1mg/ml after reconstitution)
Purity	>95% pure by SDS-PAGE
Buffer	Lyophilized from PBS

Product Description

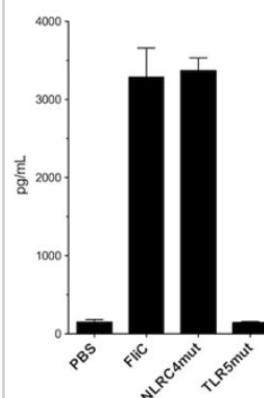
Description	Native flagellin [FliC] from Salmonella enterica Serovar Typhimurium strain ATCC14028 (aa 1-495) contains a substitution of amino acids 90-97 required for TLR5 signaling by a motif from a non-signaling flagellin and fused at the N-terminus to a His-tag. Source: <i>E. coli</i> NCBI: NP_460912
Species	Bacteria
Reactivity Notes	Salmonella enterica Serovar Typhimurium strain (ATCC14028). Cross-reactive with Human, Mouse.
Specificity/Sensitivity	Not detected by human and mouse TLR5 (Toll-like receptor 5).
Details of Functionality	Not detected by human and mouse TLR5 (Toll-like receptor 5). Does not activate TLR5 in human epithelial cell assays based on NF- κ B luciferase fusions, in vivo on expression of CCL20 or IL-6. It can be used as negative control for TLR5 signaling assays.
Endotoxin Note	<0.01EU/ug purified protein (LAL test; Lonza).

Product Application Details

Applications	Bioactivity
Recommended Dilutions	Bioactivity

Images

Functional: Recombinant Human, Mouse Flagellin TLR5 Mutant His Protein [NBP3-18159] - Flagellin (rec.) and Flagellin (NLRC4 Mutant) (rec.) activate TLR5 in vivo. Method: Mice WT are injected i.v. with 1ug of Flagellin (rec.) (=WT) or Flagellin (NLRC4 Mutant) (rec.). After 2 hours, levels of CCL20 in the serum are measured by ELISA. As control, WT mice are injected i.v. with 1ug of Flagellin (TLR5 Mutant) (rec.). PBS injected mice are used as negative control.





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Products Related to NBP3-18159

NBP2-35885-10ug	Recombinant Flagellin His (C-Term) Protein
NBP3-05967-100ul	Flagellin Antibody (06)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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