



Natural Flagellin

Product Code: NB-FLA-1

Product: Natural Flagellin

Lot No: **xxxxx**

Source: *Bacillus subtilis*

Mol. Wt: 40 kD

Purification: Purified from *Bacillus subtilis*, strain 168, by differential centrifugation and ammonium sulfate precipitation.

Concentration: 1.0 mg/ml, based on Advanced Protein Assay (Cytoskeleton, Inc., Denver, CO)

Formulation: Preservative-free and carrier-free in phosphate buffered saline, pH 7.4.

Storage: Store at -20°C

Notes: Not tested for endotoxin



nFLA

For Research Use Only: Not for Diagnostic or Therapeutic Use

REFERENCES:

1. Wilson RH, Maruoka S, Whitehead GS, Foley JF, Flake GP, Sever ML, Zeldin DC, Kraft M, Garantziotis S, Nakano H, Cook DN. The Toll-like receptor 5 ligand flagellin promotes asthma by priming allergic responses to indoor allergens. *Nat Med* 2012 Nov;18(11):1705-10.
2. López-Yglesias AH, Zhao X, Quarles EK, Lai MA, VandenBos T, Strong RK, Smith KD. Flagellin induces antibody responses through a TLR5- and inflammasome-independent pathway. *J Immunol* 2014 Feb 15;192(4):1587-96.
3. Schülke S, Burggraf M, Waibler Z, Wangorsch A, Wolfhemier S, Kalinke U, Vieths S, Toda M, Scheurer S. A fusion protein of flagellin and ovalbumin suppresses the TH2 response and prevents murine intestinal allergy. *J Allergy Clin Immunol* 2011 Dec;128(6):1340-48.