

Active Native Bordetella bronchiseptica Dermonecrotic Toxin

Cat. No. dnt-142B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DNT was purified from B. bronchiseptica strain S798 by propriety chromatography and differential precipitation method.
Species	B.bronchiseptica
Source	B.bronchiseptica
Description	Dermonecrotic toxin (DNT) is a common toxin produced by pathogenic bacteria belonging to the genus Bordetella, such as B. pertussis, B. parapertussis, and B. bronchiseptica. This toxin activates small GTP-binding proteins such as Rho, Rac and Cdc42 through deamidation or polyamination for downstream signaling pathways.
Form	0.53 mg/ml of DNT in 50 mM sodium phosphate buffer (pH 7.2), 1 M urea, 0.3 M sodium sulfate, filter-sterilized.
Bio-activity	DNT at 5 ng/ml induces ballooning morphological change in cultured mouse osteoblastic cell line MC3T3-E1.
Purity	More than 95 % purity by SDS-PAGE (CBB staining)
Applications	1) For the studies of the signaling pathways mediated by small GTP-binding proteins. 2) Antigen to be used for detection of infection of Bordetella by immunological method.
Storage	Store at 4°C

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