



Rabbit Anti-*P. multocida* dermonecrotic toxin Polyclonal Antibody (CABT-YN1016)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	<i>P. multocida</i>
Target	<i>P. multocida</i> dermonecrotic toxin
Immunogen	Purified recombinant <i>Pasteurella multocida</i> toxoid (His6-tagged at N-terminus of full-size PMT, BioAcademia 01-507).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	<i>P. multocida</i>
Purification	Protein A/G
Conjugate	unconjugated
Applications	ELISA, Dot, WB
Format	Liquid
Size	200 µg
Buffer	50% Glycerol, PBS
Preservative	None
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

BACKGROUND

Introduction	The mitogenic dermonecrotic toxin from <i>Pasteurella multocida</i> (PMT) is a 1285-residue multipartite protein that belongs to the A-B family of bacterial protein toxins. Through its G-protein-deamidating activity on the α subunits of heterotrimeric Gq-, Gi- and G 12/13-proteins, PMT potently stimulates downstream mitogenic, calcium, and cytoskeletal signaling pathways. These activities lead to pleiotropic effects in different cell types, which ultimately result in cellular proliferation, while inhibiting cellular differentiation, and account for the myriad of physiological outcomes observed during infection with toxinogenic strains of <i>P. multocida</i> .
Keywords	<i>Pasteurella multocida</i> toxin; <i>P. multocida</i> toxin; Pasteurellales; Pasteurellaceae; <i>Pasteurella</i> ; Toxin; PMT; dermonecrotic toxin; <i>P. multocida</i> dermonecrotic toxin; PMDT; DNT; <i>Pasteurella multocida</i> dermonecrotic toxin