



Rabbit Anti-*P. multocida* toxin Polyclonal Antibody (CABT-YN1015)

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> toxin
Immunogen	Recombinant full length protein (His-tag) corresponding to <i>Pasteurella multocida</i> toxin aa 1-1285. Database link: P17452
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	<i>P. multocida</i>
Purification	Protein A/G
Conjugate	unconjugated
Applications	ELISA, WB
Format	Liquid
Size	200 µg
Buffer	50% Glycerol, PBS, pH6.0
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 Pasteurella multocida toxin (PMT), a virulence factor of the pathogenic Gram-negative bacterium *P. multocida*, is a 146 kDa protein belonging to the A-B class of toxins. Once inside a target cell, the A domain deamidates the α -subunit of heterotrimeric G-proteins, thereby activating downstream signaling cascades. The Pasteurella multocida toxin (PMT) has many properties that mark it out as a potential carcinogen. PMT is a highly potent mitogen and has been demonstrated to block apoptosis. PMT modifies and activates members of three of the four families of heterotrimeric G-proteins, all of which have potential roles in carcinogenesis.

Keywords Pasteurella multocida toxin; *P. multocida* toxin; Pasteurellales; Pasteurellaceae; Pasteurella; Toxin; PMT; dermonecrotic toxin; *P. multocida* dermonecrotic toxin