

Anti-*Pasteurella multocida* Toxin antibody, rabbit polyclonal

64-105 200 µg

Storage: Ship at 4°C and store at -20°C. Do not freeze.

Immunogen: Purified recombinant *Pasteurella multocida* toxoid (His6-tagged at N-terminus of full-size PMT, BioAcademia 01-507)

Reactivity: Reacts with *P. multocida* Toxin,

Applications:

1. Western blotting (1/500-1/1,000 dilution)
2. Dot blot (assay dependent)
3. ELISA (assay dependent)

Other applications have not been tested.

Purity: IgG, affinity-purified with protein A/G mix from rabbit antiserum.

Form: 2 mg/ml in PBS, 50% glycerol. Filter sterilized. Azide- and carrier protein-free.

Background: *Pasteurella multocida* toxin (PMT) is produced by a gram-negative bacillus, *Pasteurella multocida*. PMT activates the Gq and G_{12/13} dependent signaling pathways. Gq and G_{12/13} are alpha subunits of the GTP trimer bound protein of animal cells. This toxin binds to a ganglioside-type cell surface receptor, acts intracellularly after having been internalized through an endocytic pathway, and has pleiotropic effects on cell physiology.

Data Link: UniProtKB/Swiss-Prot [P17452](#) (TOXA_PASMU)

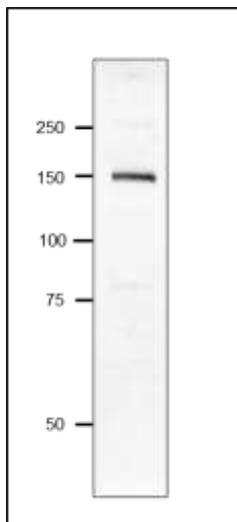


Fig.1. Western blot of *P. multocida* Toxin.

Sample: Recombinant *P. multocida* Toxin, 7.4 ng

Anti-PMT antibody was used at 1/1,000 dilution.

As second antibody, HRP conjugated goat anti-rabbit IgG (ab 97051) was used at 1/20,000 dilution.

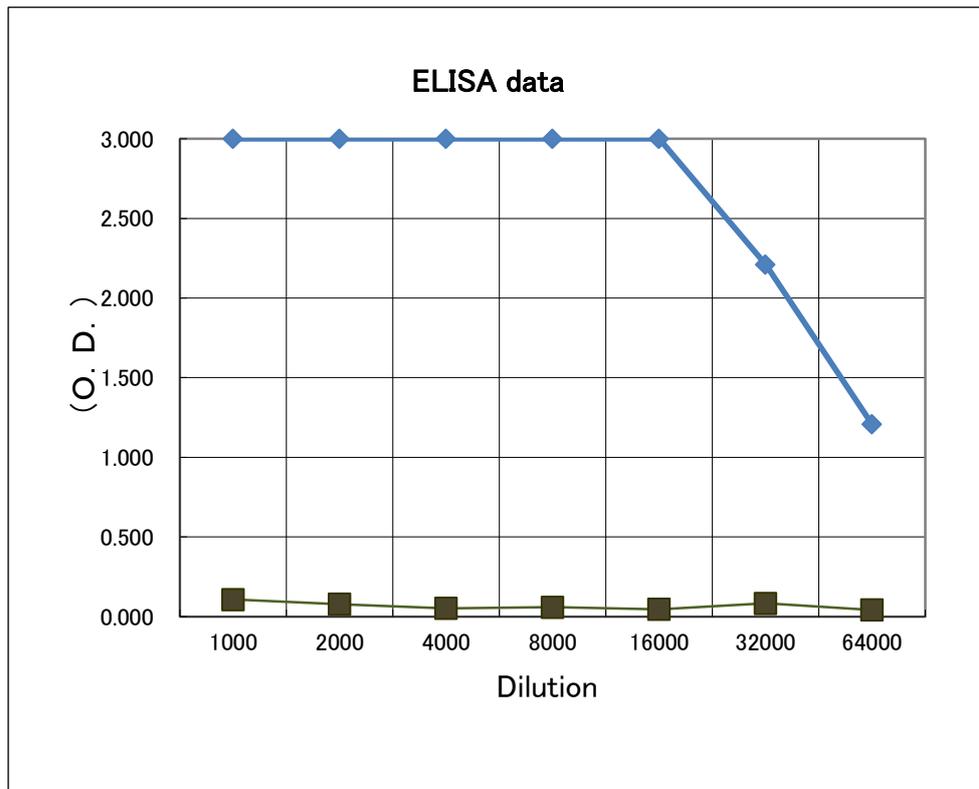


Fig.2. Indirect ELISA of *P. multocida* Toxin.

Plate was coated with 0.2 μg of recombinant *P. multocida* toxin (BioAcademia 01-507) per well and 100 μl of anti-*P. multocida* toxin serum at the indicated dilution was added to each well and incubated. After washing, goat anti-rabbit-IgG conjugated with HRP was added as a secondary antibody. Color was developed with TMB as substrate. After washing, goat anti-rabbit-IgG conjugated with HRP was added as a secondary antibody. Color was developed with TMB as substrate. Black boxes are data with pre-immune serum.