

**Anti- *Vibrio parahaemolyticus* TDH / TRH Toxin antibody, mouse monoclonal (vp-01)**

64-013      100 µg

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

**Immunogen:** Culture supernatant of *V. parahaemolyticus*

**Specific Reactivity:** Reacts with *V. parahaemolyticus* TDH and TRH toxins

**Applications:**

1. Western blotting (1/500~1/1,000 )
2. ELISA (assay dependent)

This antibody is useful for detecting food-poisoning *V. hemolyticus* strains.

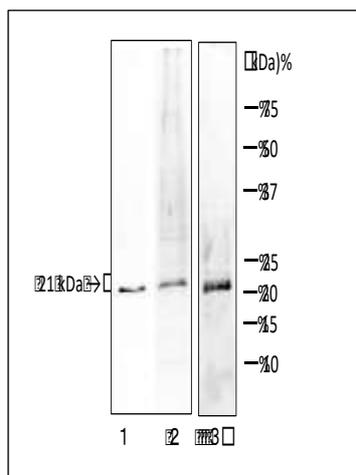
**Background:** Many *Vibrio parahaemolyticus* strains isolated as a cause of food poisoning, produce toxin called hemolysin, and this is the main cause of illness. Two kinds of hemolysins, **T**hermo-resistant **D**irect **H**emolysin (TDH) and **T**DH **R**elated **H**emolysin (TRH), are known. TDH is the heat labile toxin protein of molecular weight 21.3 kDa (189 aa). Homology of TRH (21.1 kDa, 189 aa) with TDH is about 60%, and shows partial antigenic similarities.

**Isotype:** mouse IgG1

**Product:** 0.5 mg/ml in PBS, 50% glycerol, filter sterilized.

**Purity:** IgG, affinity-purified with Protein A/G mix

**Data Link:** UniProtKB: [P19249](#) (Thermostable direct hemolysin1),  
[Q769J9](#) (TDH related hemolysin)



**Fig.1. Detection of *V. parahaemolyticus* TDH and TRH by Western blotting with MAb (vp-01)**

1. Culture medium of *V. parahaemolyticus* (trh<sup>+</sup>)
2. Culture medium of *V. parahaemolyticus* (tdh<sup>+</sup>)
3. Culture medium of *V. parahaemolyticus* (trh<sup>+</sup>)

MAb (vp-01) was used at 1/1,000 dilution in lanes 1 and 2.

Polyclonal antiTRH antibody (BioAcademia 64-015) was used at 1/1,000 dilution in lane 3.

