

## Technical Data Sheet

### FLAER

**Catalog Number:** 604001, 604002

**Size:** 25 ug, 100 ug

**Target Name:** Pro-aerolysin, FLAER, aerolysin, AER

**Regulatory Status:** RUO

#### Product Details

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**Application:** FC

**Format:** Liquid, iFlour 488

**Expression Host:** E.coli

**Species:** Aeromonas hydrophila

**Sources:** Recombinant Pro-aerolysin (Ala24-Arg453) with N-Met and C-terminus His tag is expressed in E.coli system. This protein is conjugated to iFlour 488.

**Molecular Weight:** This protein has a predicted molecular weight of 53 kDa. Under DTT-reducing conditions, the protein migrates at approximately 55 kDa on SDS-PAGE prior to conjugation.

**Affinity Tag:** C-His

**Purity:** >95% based on SDS-PAGE under reducing condition

**Formulation:** 1xPBS/0.05%NaN3/0.2%BSA

**Endotoxin level:** Not tested

**Protein Concentration:** 25µg size is bottled at 0.3mg/mL concentration. 100 µg size is supplied at a lot-specific concentration.

**Storage and Handling:** Briefly centrifuge the vial upon receipt. An unopened vial may be stored at 2–8°C for up to six months.

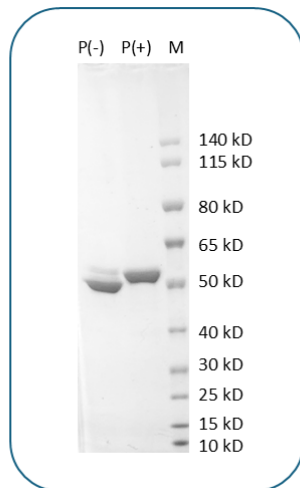
#### Background Information

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Pro-aerolysin is the inactive precursor of aerolysin, a pore-forming toxin produced by the bacterium *Aeromonas hydrophila*. It has been engineered to be non-toxic. FLAER is a fluorescently labeled derivative of pro-aerolysin and serves as a valuable reagent for detecting cells that express GPI-anchored proteins.

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Purified Pro-aerolysin Protein on SDS-PAGE under non-reducing (P-) and reducing (P+) conditions. The gel was stained for 1 hour with BlinkBlue Protein Staining Buffer (Catalog 700102). The purity of this protein appears to be greater than 95%.