

Pasteurella multocida Toxin

01-507 50µg

Pasteurella multocida toxin ***Pasteurella*** (PMT) is produced by a gram-negative bacillus, *Pasteurella multocida*. PMT activates the Gq and G12/13 depending signaling pathway, which are α subunit of the GTP trimer bound protein of animal cells. It does not activate the G11 dependent pathway although it is similar to Gq. This toxin binds to unidentified receptor and then is introduced into the cells by endocytosis and starts to function then. Therefore it does not function on cells without the receptor or defective in the endocytosis pathway.

This product is a recombinant expressed by plasmid cloning of *E. coli tox A* gene. Its molecular weight is 145 kDa (Fig.1)

Applications

- 1) For the studies on the GTP trimer bound protein dependent signaling pathway

Specifications

Purity: More than 90% pure by SDS-PAGE (CBB staining)

Form: 50% glycerol, 5mM Tris-HCl(pH7.5), 0.1M NaCl

Storage: -20°C

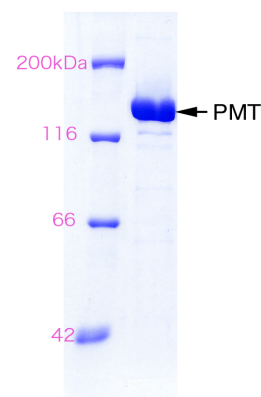
Protein Concentration: 370 µg/ml

*Research use only, not for human use

Literature:

1. Orth, JHC et al., J.Biol.Chem.280:36701-36707(2005)
2. Wilson, BA and Ho, M., Rev.Physiol. Biochem.Pharmacol. 152:93-109(2004)

Fig.1 SDS polyacrylamide gel electrophoresis of PMT



SDS-PAGE Analysis of PMT

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