

# TFF2 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1998a

## Product Information

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| <b>Application</b>       | WB, FC, E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Primary Accession</b> | <a href="#">Q03403</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Host</b>              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Clone Names</b>       | 4G7C3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Isotype</b>           | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Calculated MW</b>     | 14284                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>       | Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer and affect healing of the epithelium. The encoded protein inhibits gastric acid secretion. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21. |
| <b>Immunogen</b>         | Purified recombinant fragment of human TFF2 (AA: 20-125) expressed in E. Coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Formulation</b>       | Purified antibody in PBS with 0.05% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Additional Information

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| <b>Gene ID</b>     | 7032                                                                                                                                     |
| <b>Other Names</b> | Trefoil factor 2, Spasmolysin, Spasmolytic polypeptide, SP, TFF2, SML1                                                                   |
| <b>Dilution</b>    | WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000                                                                                          |
| <b>Storage</b>     | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| <b>Precautions</b> | TFF2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.                                          |

## Protein Information

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|-------------|------|
| <b>Name</b> | TFF2 |
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| <b>Synonyms</b>          | SML1                                                                                                                                                                                                                                                 |
| <b>Function</b>          | Inhibits gastrointestinal motility and gastric acid secretion. Could function as a structural component of gastric mucus, possibly by stabilizing glycoproteins in the mucus gel through interactions with carbohydrate side chains (By similarity). |
| <b>Cellular Location</b> | Secreted.                                                                                                                                                                                                                                            |
| <b>Tissue Location</b>   | Stomach.                                                                                                                                                                                                                                             |

## References

1. Peptides. 2013 Aug;46:1-5.2. Oncol Rep. 2012 Apr;27(4):1207-12.

## Images

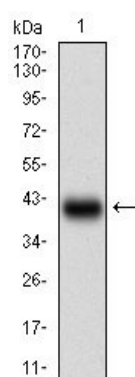


Figure 1: Western blot analysis using TFF2 mAb against human TFF2 (AA: 20-125) recombinant protein. (Expected MW is 37.3 kDa)

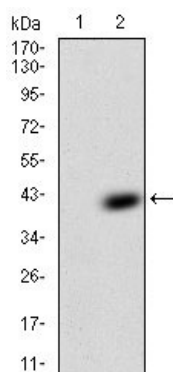


Figure 2: Western blot analysis using TFF2 mAb against HEK293 (1) and TFF2 (AA: 20-125)-hIgGfc transfected HEK293 (2) cell lysate.

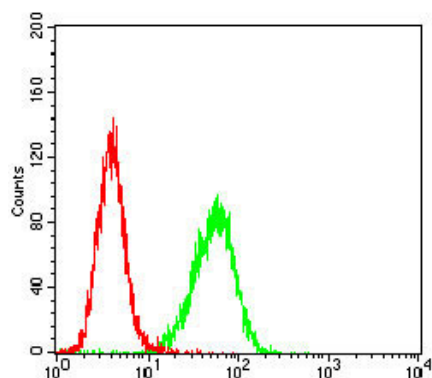


Figure 3: Flow cytometric analysis of HeLa cells using TFF2 mouse mAb (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.