

Mouse Monoclonal Antibody to

TFF3 (Trefoil Factor 3, human)

clone 15C6

Order No.: 0099-100/TFF3-15C6

Size (µg) 100

Lot No.: 0099S



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03/080507F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human	WB, IP, IHC (PS), ICC	9 kDa	none	N-terminus (aa 1-12)	synthetic peptide conjugated to KLH

Background and Specificity:

Trefoil factors are secreted polypeptides characterized by a conserved trefoil domain structure defined by 3 specific disulfide bonds. TFFs were originally identified in the gastrointestinal tract where they were reported to have protective and reparative functions. The reparative function is ascribed to their motogenic activity in early phases of epithelial restitution. During recent years expression was found to be associated with other mucous epithelia as well. Moreover, TFF peptides appear to be involved in the enhancement of neoplastic progression. Three human genes have been identified (TFF1, TFF2 and TFF3) clustered on chromosome 21q22.3.

Mab TFF3-15C6 specifically interacts with the N-terminus of human Trefoil factor 3 (TFF3) and detects a ca. 9 kDa polypeptide in Western blots.

Related Products

Purification: The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.

Formulation: lyophilized from 1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose.

Reconstitution: Reconstitute with 1 ml H₂O (15 min, RT).

Stability: For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.

Avoid repeated freeze / thaw cycles.

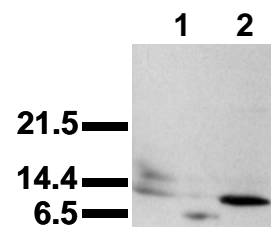
Positive Control: none

Immunoblotting: 0.5 µg/ml for HRPO/ECL detection
Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

Immunoprecipitation: use 1 µg per 10⁶ SW480 cells

Immunocytochemistry: use at 1 - 10 µg/ml (2 - 5 µg/ml for DAB staining)

ELISA: ND



Detection of TFF-3

Whole cell lysates were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab TFF3-15C6.

lane 1: HEK293 ; lane 2: TFF-3 overexpressed in HEK293 cells

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