

For Research Use Only

TFF2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 83717-4-PBS



Basic Information

Catalog Number: 83717-4-PBS	GenBank Accession Number: BC032820	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 7032	CloneNo.: 240661G12
Isotype: IgG	UNIPROT ID: Q03403	
Immunogen Catalog Number: AG4537	Full Name: trefoil factor 2	
	Calculated MW: 129 aa, 14 kDa	
	Observed MW: 18-20 kDa	

Applications

Tested Applications:
WB, FC (Intra), IP, ELISA

Species Specificity:
human

Background Information

The trefoil factor family (TFF), comprises of three polypeptides, TFF1, TFF2 and TFF3 (7-12 kDa), secreted to mucosal surfaces by mucus producing cells, prominently in the gastrointestinal tract. TFF2, also known as spasmolytic polypeptide, is a low-molecular weight protein, expressed in mucous neck cells of the fundus and glands at the base of the antrum in normal human stomach. TFF2 could inhibit gastrointestinal motility and gastric acid secretion. However, recent studies suggest that TFF2 could also play an important role in the immune system. We got a 18-20 kDa band in western blotting maybe due to glycosylation, and mature TFF2 is a 12 kDa protein (PMID: 10716671).

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

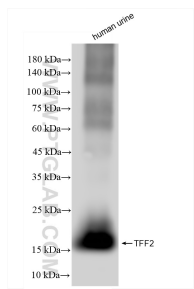
T: 4006900926

E: Proteintech-CN@ptglab.com

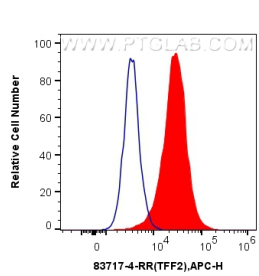
W: ptgcn.com

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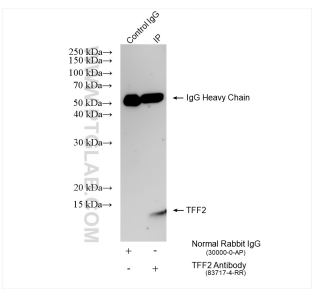
Selected Validation Data



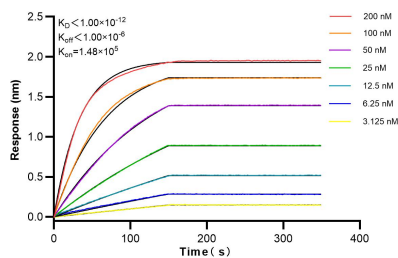
Human urine sample was subjected to SDS PAGE followed by western blot with 83717-4-RR (TFF2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83717-4-PBS in a different storage buffer formulation.



1x10⁶ PC-3 cells were intracellularly stained with 0.25 ug TFF2 Recombinant antibody (83717-4-RR, Clone:240661G12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 83717-4-PBS in a different storage buffer formulation.



IP result of anti-TFF2 (IP:83717-4-RR, 4ug; Detection:83717-4-RR 1:1000) with mouse stomach tissue lysate 1360 ug. This data was developed using the same antibody clone with 83717-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83717-4-RR against Human TFF2 were performed. The affinity constant is below 1 pM.