

For Research Use Only

TFF1 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83467-2-PBS



Basic Information

Catalog Number: 83467-2-PBS	GenBank Accession Number: BC032811	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7031	CloneNo.: 240424F5
Source: Rabbit	UNIPROT ID: P04155	
Isotype: IgG	Full Name: trefoil factor 1	
Immunogen Catalog Number: AG4541	Calculated MW: 84 aa, 9 kDa	

Applications

Tested Applications:
FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

83467-2-PBS targets TFF1 as part of a matched antibody pair:

MP00469-1: 83467-2-PBS capture and 83467-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

TFF1 (Trefoil factor 1, formerly known as pS2) is a small-secreted protein that belongs to the family of trefoil peptides, and characterized by the presence of one to six cysteine-rich P domains. TFF1 expression is frequently lost in gastric carcinoma, probably through mechanism of DNA methylation, and it is therefore considered as a tumor suppressor gene. The function of TFF1 was first controversially considered as an oncogene in breast cancer.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

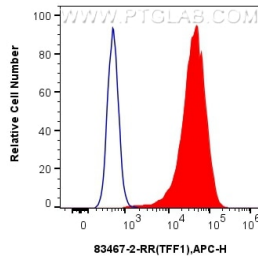
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

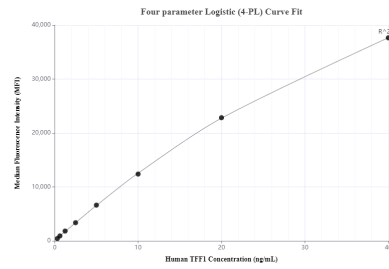
E: proteintech@ptglab.com
W: ptglab.com

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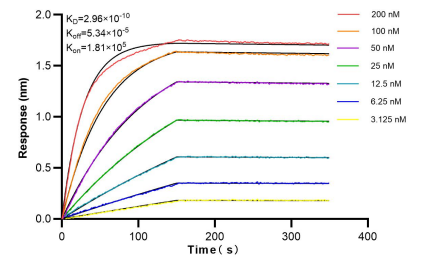
Selected Validation Data



1x10⁶ MCF-7 cells were intracellularly stained with 0.25 ug Tff1 Recombinant Antibody (83467-2-RR, Clone:240424F5) 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 (PF00011-C). This data was developed using the same antibody clone with 83467-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00469-1, TFF1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83467-2-PBS. Detection antibody: 83467-1-PBS. Standard: Ag4541. Range: 0.313-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83467-2-RR against Human TFF1 were performed. The affinity constant is 0.296 nM.