

For Research Use Only

DNMT1 Recombinant antibody, PBS Only (Detector)

Catalog Number:82678-2-PBS



Basic Information

Catalog Number: 82678-2-PBS	GenBank Accession Number: BC126227	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1786	CloneNo.: 240302E2
Source: Rabbit	UNIPROT ID: P26358	
Isotype: IgG	Full Name: DNA (cytosine-5-)-methyltransferase 1	
Immunogen Catalog Number: AG29479	Calculated MW: 1632 aa, 185 kDa	

Applications

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

Species Specificity:
human, rat

Product Information

82678-2-PBS targets DNMT1 as part of a matched antibody pair:

MP00377-1: 82678-3-PBS capture and 82678-2-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.

Storage

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

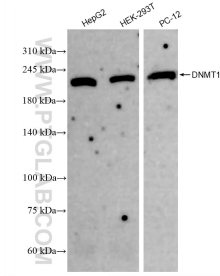
For technical support and original validation data for this product please contact:

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

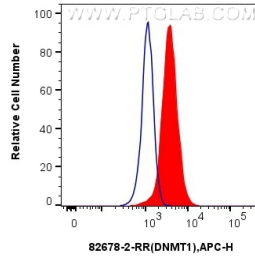
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

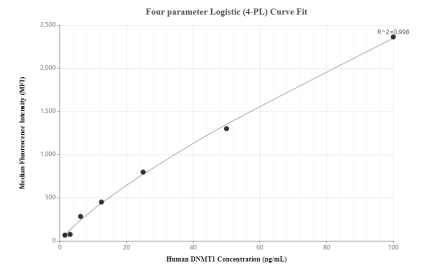
Selected Validation Data



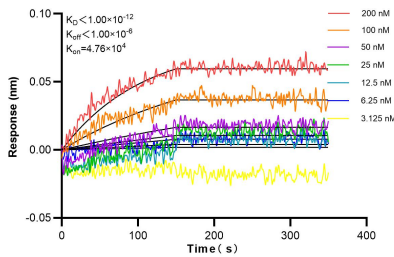
Various lysates were subjected to SDS PAGE followed by western blot with 82678-2-RR (DNMT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82678-2-PBS in a different storage buffer formulation.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug DNMT1 Recombinant antibody (82678-2-RR, Clone:240302E2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 82678-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00377-1, DNMT1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82678-3-PBS. Detection antibody: 82678-2-PBS. Standard: Ag29479. Range: 1.56-100 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 82678-2-RR against Human DNMT1 were performed. The affinity constant is below 1 pM.