

For Research Use Only

PFAS Recombinant antibody, PBS Only (Capture)

Catalog Number: 83074-2-PBS



Basic Information

Catalog Number: 83074-2-PBS	GenBank Accession Number: BC167158	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 5198	CloneNo.: 230422D11
Source: Rabbit	UNIPROT ID: O15067	
Isotype: IgG	Full Name: phosphoribosylformylglycinamide synthase	
Immunogen Catalog Number: AG20162	Calculated MW: 1338 aa, 145 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

83074-2-PBS targets PFAS as part of a matched antibody pair:

MP00064-1: 83074-2-PBS capture and 83074-1-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

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

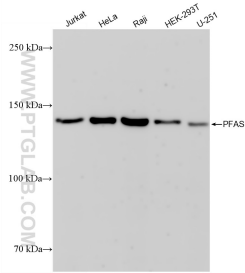
Storage:
Store at -80°C.

Storage Buffer:
100% PBS pH 7.3

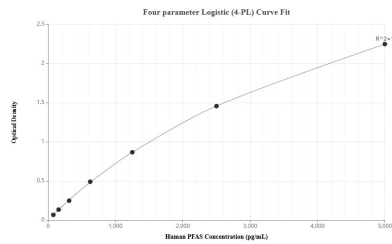
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

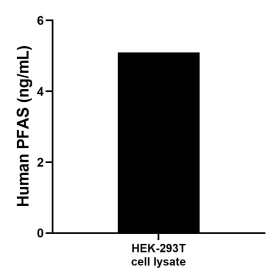
Selected Validation Data



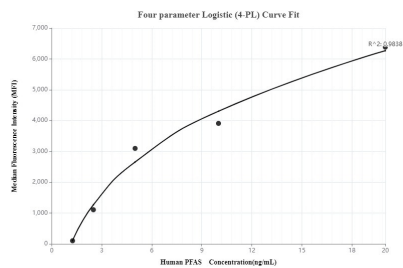
Various lysates were subjected to SDS PAGE followed by western blot with 83074-2-RR (PFAS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83074-2-PBS in a different storage buffer formulation.



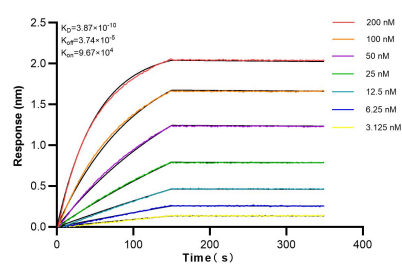
Sandwich ELISA standard curve of MP00064-1, Human PFAS Recombinant Matched Antibody Pair - PBS only. 83074-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag20162. 83074-1-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



HEK-293T cell lysate was measured. The human PFAS concentration of detected samples was determined to be 5.10 ng/mL (based on a 1.4 mg/mL extract load).



Cytometric bead array standard curve of MP00064-1, PFAS Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83074-2-PBS. Detection antibody: 83074-1-PBS. Standard: Ag20162. Range: 1.25-20 ng/mL



Biolayer interferometry (BLI) kinetic assays of 83074-2-RR against Human PFAS were performed. The affinity constant is 0.387 nM.