# PTEN Recombinant antibody, PBS Only (Detector)

Catalog Number:80718-4-PBS

**proteintech®**
Antibodies | ELISA kits | Proteins
**Uni-rAb**
www.ptglab.com

## Basic Information

**Catalog Number:**
80718-4-PBS

**Size:**
100ug , Concentration: 1mg/ml by Nanodrop;

**Source:**
Rabbit

**Isotype:**
IgG

**Immunogen Catalog Number:**
AG17274

**GenBank Accession Number:**
BC005821

**GeneID (NCBI):**
5728

**UNIPROT ID:**
P60484

**Full Name:**
phosphatase and tensin homolog

**Calculated MW:**
47 kDa

**Purification Method:**
Protein A purification

**CloneNo.:**
240134C10

## Applications

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

**Species Specificity:**
human

## Product Information

80718-4-PBS targets PTEN as part of a matched antibody pair:

MP00328-1: 80718-5-PBS capture and 80718-4-PBS detection (validated in Cytometric bead array)

MP00328-6: 80718-8-PBS capture and 80718-4-PBS detection (validated in 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.
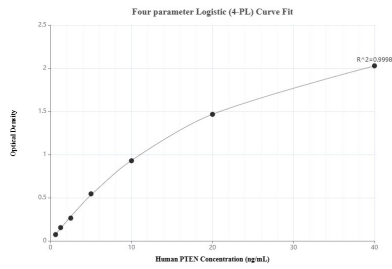
## Storage

**Storage:**
Store at -80℃.
**Storage Buffer:**
PBS Only

# Selected Validation Data



Four parameter Logistic (4-PL) Curve Fit

R^2=0.9998

Optical Density
Human PTEN Concentration (ng/mL)



Human PTEN (ng/mL)

HEK-293T    PC-3



Four parameter Logistic (4-PL) Curve Fit

R^2=0.9979

Median Fluorescence Intensity (MFI)
Human PTEN Concentration (ng/mL)

Sandwich ELISA standard curve of MP00328-6, Human PTEN Recombinant Matched Antibody Pair - PBS only. 80718-8-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag17274. 80718-4-PBS was HRP conjugated as the detection antibody. Range: 0.625-40 ng/mL
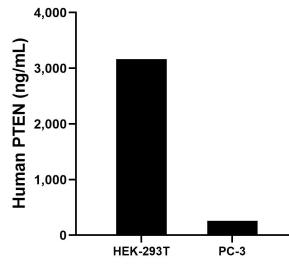
The mean PTEN concentration was determined to be 3,166.00 ng/mL in HEK-293T cell extract based on a 3.2 mg/mL extract load and 258.50 ng/mL in PC-3 cell extract based on a 3.0 mg/mL extract load.
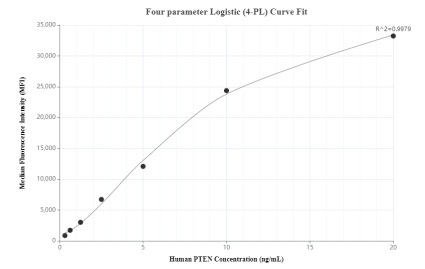
Cytometric bead array standard curve of MP00328-1, PTEN Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 80718-5-PBS. Detection antibody: 80718-4-PBS. Standard: Ag17274. Range: 0.313-20 ng/mL.