

For Research Use Only

CDK4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83994-2-PBS



Basic Information

| | | |
|---|--|---|
| Catalog Number: 83994-2-PBS | GenBank Accession Number: BC010153 | Purification Method: Protein A purification |
| Size: 100ug, Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 1019 | CloneNo.: 241053C6 |
| Source: Rabbit | UNIPROT ID: P11802 | |
| Isotype: IgG | Full Name: cyclin-dependent kinase 4 | |
| Immunogen Catalog Number: AG20538 | Calculated MW: 34 kDa | |

Applications

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

Species Specificity:
human

Product Information

83994-2-PBS targets CDK4 as part of a matched antibody pair:

MP00897-1: 83994-2-PBS capture and 83994-1-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

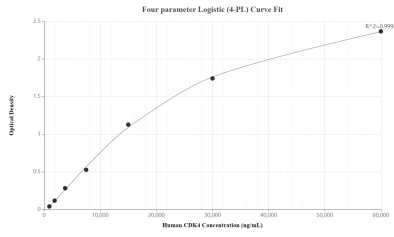
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

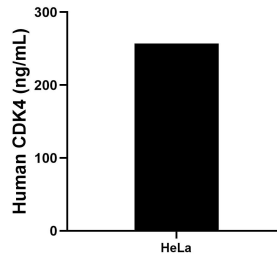
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

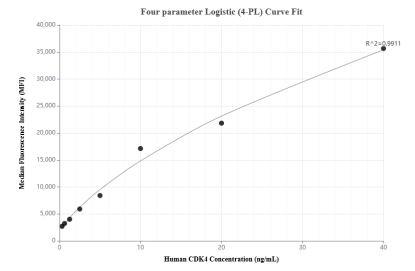
Selected Validation Data



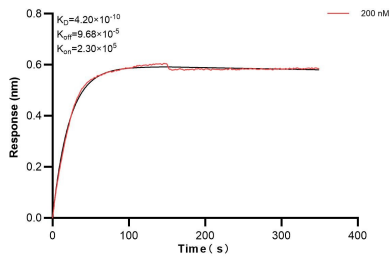
Sandwich ELISA standard curve of MP00897-1, Human CDK4 Recombinant Matched Antibody Pair - PBS only. 83994-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag20538. 83994-1-PBS was HRP conjugated as the detection antibody. Range: 0.937-60 ng/mL



The mean CDK4 concentration was determined to be 257.14 ng/mL in HeLa cell extract based on a 2.00 mg/mL extract load.



Cytometric bead array standard curve of MP00897-1, CDK4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83994-2-PBS. Detection antibody: 83994-1-PBS. Standard: Ag20538. Range: 0.313-40 ng/mL



Bi-layer interferometry (BLI) kinetic assay of 83994-2-PBS against Human CDK4 was performed. The affinity constant is 0.42 nM.