

For Research Use Only

# ND4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85098-1-PBS



## Basic Information

<b>Catalog Number:</b> 85098-1-PBS	<b>GenBank Accession Number:</b> YP_003024035	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4538	<b>CloneNo.:</b> 242422E2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P03905	
<b>Isotype:</b> IgG	<b>Full Name:</b> NADH dehydrogenase, subunit 4 (complex I)	
	<b>Calculated MW:</b> 52 kDa	
	<b>Observed MW:</b> 43-52 kDa	

## Applications

**Tested Applications:**  
WB, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Product Information

85098-1-PBS targets ND4 as part of a matched antibody pair:

MP02094-1: 85098-1-PBS capture and 85098-2-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°C.

**Storage Buffer:**  
PBS only, pH7.3

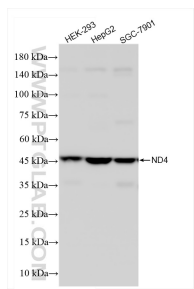
For technical support and original validation data for this product please contact:

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

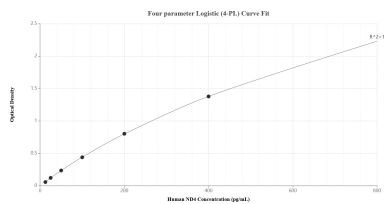
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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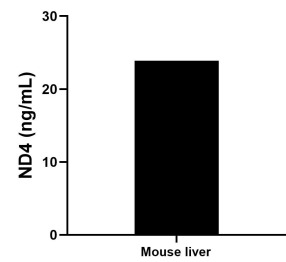
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85098-1-RR (ND4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85098-1-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP02094-1, Human ND4 Recombinant Matched Antibody Pair - PBS only. 85098-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard SY01674. 85098-2-PBS was HRP conjugated as the detection antibody. Range: 12.5-800 pg/mL.



The mean ND4 concentration was determined to be 23.9 ng/mL in mouse liver tissue extract based on a 3.7 mg/mL extract load.