

For Research Use Only

# PICAL Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87344-5-PBS



## Basic Information

<b>Catalog Number:</b> 87344-5-PBS	<b>GenBank Accession Number:</b> NM_007166.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8301	<b>CloneNo.:</b> 252594A3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13492-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> phosphatidylinositol binding clathrin assembly protein	
<b>Immunogen Catalog Number:</b> EG5966	<b>Calculated MW:</b> 71 kDa	

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA

**Species Specificity:**  
human

## Product Information

87344-5-PBS targets PICAL as part of a matched antibody pair:

MP02979-2: 87344-5-PBS capture and 87344-3-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

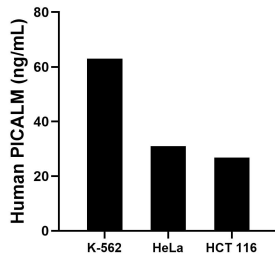
For technical support and original validation data for this product please contact:

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

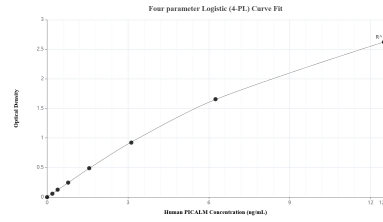
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

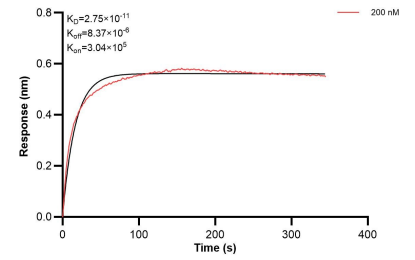
## Selected Validation Data



The mean PICALM concentration was determined to be 63.00 ng/mL in K-562 cell extract based on a 1.20 mg/mL extract load, 31.01 ng/mL in HeLa cell extract based on a 1.20 mg/mL extract load and 26.77 ng/mL in HCT 116 cell extract based on a 1.30 mg/mL extract load.



Sandwich ELISA standard curve of MP02979-2, Human PICALM Recombinant Matched Antibody Pair - PBS only. 87344-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg5966. 87344-3-PBS was HRP conjugated as the detection antibody. Range: 0.195-12.5 ng/mL.



Bi-layer interferometry (BLI) kinetic assay of 87344-5-PBS against Human PICALM was performed. The affinity constant is 27.5 pM.