

For Research Use Only

# ROCK1 Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number: 83166-1-PBS



## Basic Information

<b>Catalog Number:</b> 83166-1-PBS	<b>GenBank Accession Number:</b> BC113114	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6093	<b>CloneNo.:</b> 230423E4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13464	
<b>Isotype:</b> IgG	<b>Full Name:</b> Rho-associated, coiled-coil containing protein kinase 1	
<b>Immunogen Catalog Number:</b> AG16317	<b>Calculated MW:</b> 1354 aa, 158 kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

83166-1-PBS targets ROCK1 as part of a matched antibody pair:

MP00229-2: 83166-1-PBS capture and 83166-3-PBS detection (validated in Cytometric bead array)

MP00229-3: 83166-4-PBS capture and 83166-1-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

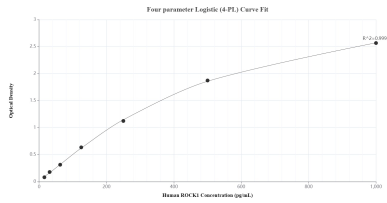
For technical support and original validation data for this product please contact:

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

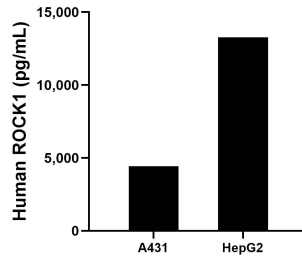
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

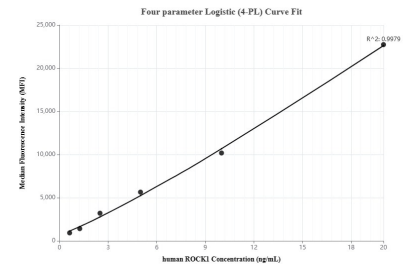
## Selected Validation Data



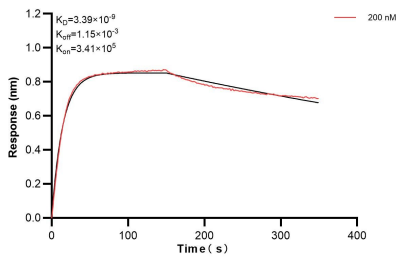
Sandwich ELISA standard curve of MP00229-3, Human ROCK1 Recombinant Matched Antibody Pair - PBS only. 83166-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag16317. 83166-1-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL.



The mean ROCK1 concentration was determined to be 4,443.0 pg/mL in A431 cell extract based on a 2.6 mg/mL extract load and 13,265.0 pg/mL in HepG2 cell extract based on a 5.0 mg/mL extract load.



Cytometric bead array standard curve of MP00229-2, ROCK1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83166-1-PBS. Detection antibody: 83166-3-PBS. Standard: Ag16317. Range: 0.625-20 ng/mL.



Biolayer interferometry (BLI) kinetic assay of 83166-1-PBS against Human ROCK1 was performed. The affinity constant is 3.39 nM.