

For Research Use Only

ROCK1 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83166-4-PBS



Basic Information

Catalog Number: 83166-4-PBS	GenBank Accession Number: BC113114	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 6093	CloneNo.: 230423H5
Source: Rabbit	UNIPROT ID: Q13464	
Isotype: IgG	Full Name: Rho-associated, coiled-coil containing protein kinase 1	
Immunogen Catalog Number: AG16317	Calculated MW: 1354 aa, 158 kDa	

Applications

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

Species Specificity:
human

Product Information

83166-4-PBS targets ROCK1 as part of a matched antibody pair:

MP00229-1: 83166-4-PBS capture and 83166-2-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

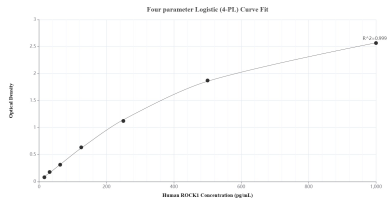
For technical support and original validation data for this product please contact:

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

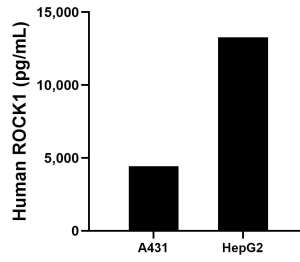
E: proteintech@ptglab.com
W: ptglab.com

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

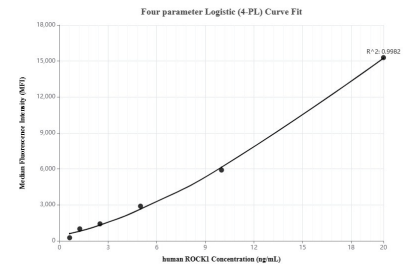
Selected Validation Data



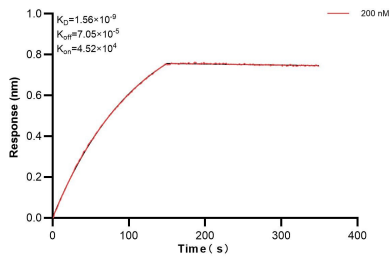
Sandwich ELISA standard curve of MP00229-3, Human ROCK1 Recombinant Matched Antibody Pair - PBS only. 83166-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag16317. 83166-1-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL.



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 MP00229-1, ROCK1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83166-4-PBS. Detection antibody: 83166-2-PBS. Standard: Ag16317. Range: 0.625-20 ng/mL.



Biolayer interferometry (BLI) kinetic assay of 83166-4-PBS against Human ROCK1 was performed. The affinity constant is 1.56 nM.