

For Research Use Only

COMMD4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84664-3-PBS



Basic Information

Catalog Number: 84664-3-PBS	GenBank Accession Number: BC068998	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 54939	CloneNo.: 242175E4
Source: Rabbit	UNIPROT ID: Q9HOA8	
Isotype: IgG	Full Name: COMM domain containing 4	
Immunogen Catalog Number: AG34904	Observed MW: 22 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

84664-3-PBS targets COMMD4 as part of a matched antibody pair:

MP01475-1: 84664-3-PBS capture and 84664-2-PBS detection (validated in Cytometric bead array)

MP01475-2: 84664-3-PBS capture and 84664-1-PBS detection (validated in Cytometric bead array)

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.

Background Information

COMMD4 is a protein-coding gene belonging to the COMMD family and is highly expressed in non-small cell lung cancer (NSCLC) and hepatocellular carcinoma (HCC) (PMID: 36249824). It has 3 isoforms and has been shown to control NF- κ B activity and regulate the activity of cullin-RING E3 ubiquitin ligases (PMID: 32439936).

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

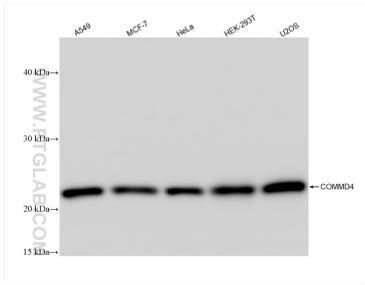
For technical support and original validation data for this product please contact:

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

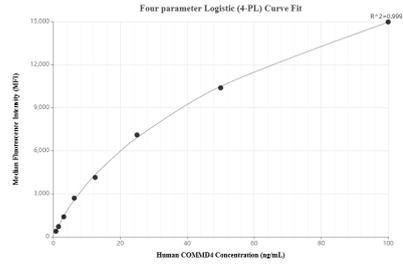
E: proteintech@ptglab.com
W: ptglab.com

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

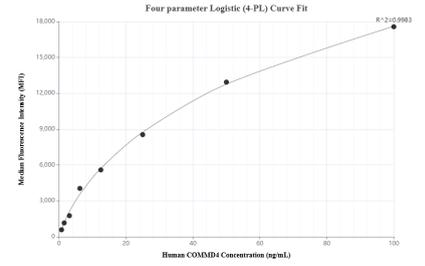
Selected Validation Data



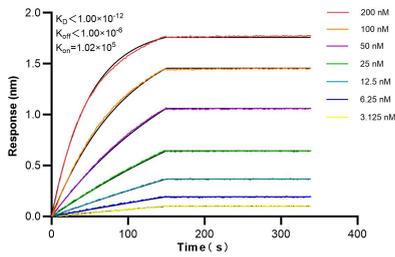
Various lysates were subjected to SDS PAGE followed by western blot with 84664-3-RR (COMMD4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84664-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01475-2, COMMD4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84664-3-PBS. Detection antibody: 84664-1-PBS. Standard: Ag34904. Range: 0.781-100 ng/mL.



Cytometric bead array standard curve of MP01475-1, COMMD4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84664-3-PBS. Detection antibody: 84664-2-PBS. Standard: Ag34904. Range: 0.781-100 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 84664-3-RR against Human COMMD4 were performed. The affinity constant is below 1 pM.