

For Research Use Only

# GNA12 Recombinant antibody, PBS Only (Capture)



Catalog Number: 83263-4-PBS

## Basic Information

<b>Catalog Number:</b> 83263-4-PBS	<b>GenBank Accession Number:</b> BC087537	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2768	<b>CloneNo.:</b> 240050E11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q03113	
<b>Isotype:</b> IgG	<b>Full Name:</b> guanine nucleotide binding protein (G protein) alpha 12	
<b>Immunogen Catalog Number:</b> AG35068		

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Product Information

83263-4-PBS targets GNA12 as part of a matched antibody pair:

MP00276-1: 83263-4-PBS capture and 83263-3-PBS detection (validated in Cytometric bead array)

MP00276-3: 83263-4-PBS capture and 83263-1-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.

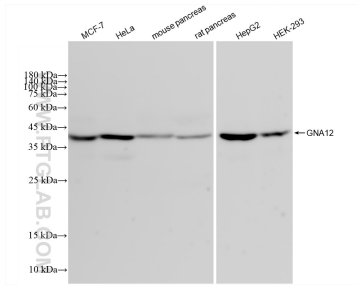
## Storage

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

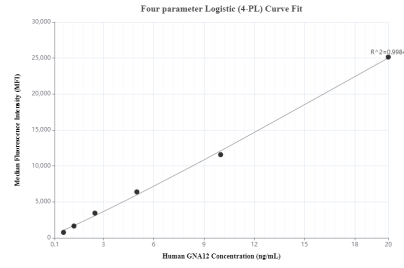
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

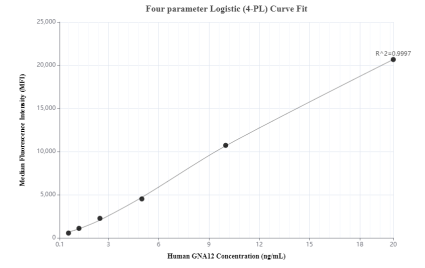
## Selected Validation Data



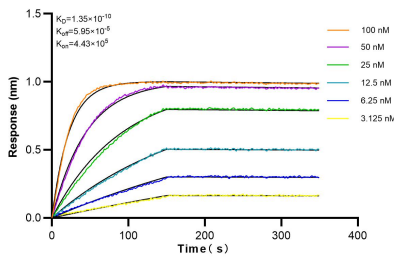
Various lysates were subjected to SDS PAGE followed by western blot with 83263-4-RR (GNA12 antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83263-4-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00276-1, GNA12 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83263-4-PBS. Detection antibody: 83263-3-PBS. Standard: Ag35068. Range: 0.625-20 ng/mL.



Cytometric bead array standard curve of MP00276-3, GNA12 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83263-4-PBS. Detection antibody: 83263-1-PBS. Standard: Ag35068. Range: 0.625-20 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 83263-4-RR against Human GNA12 were performed. The affinity constant is 0.135 nM.