

For Research Use Only

# GRP94 Monoclonal antibody, PBS Only (Capture)



Catalog Number: 60012-2-PBS

## Basic Information

<b>Catalog Number:</b> 60012-2-PBS	<b>GenBank Accession Number:</b> BC009195	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7184	<b>CloneNo.:</b> 4G7C7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P14625	
<b>Isotype:</b> IgG1	<b>Full Name:</b> heat shock protein 90kDa beta (Grp94), member 1	
<b>Immunogen Catalog Number:</b> AG1439	<b>Calculated MW:</b> 96 kDa	
	<b>Observed MW:</b> 95 kDa	

## Applications

**Tested Applications:**  
WB, IF, FC, IHC, Sandwich ELISA, Indirect ELISA

**Species Specificity:**  
Human

## Product Information

60012-2-PBS targets GRP94 as part of a matched antibody pair:

MP50013-1: 60012-2-PBS capture and 60012-1-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

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

HSP90 proteins are highly conserved molecular chaperones, which normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. HSP90B1 (GP96 or GRP94) is an endoplasmic reticulum paralogue of the cytosolic HSP90. As a major ER chaperone to mediate the UPR and a master chaperone for Toll-like receptors (TLRs), HSP90b1 chaperones peptides to MHC class I molecules of dendritic cells and other antigen-presenting cells, as well as facilitating the assembly of immunoglobulin. The protein is also involved in many other bio-processes. This antibody was generated against the N-terminal region of full-length HSP90b1.

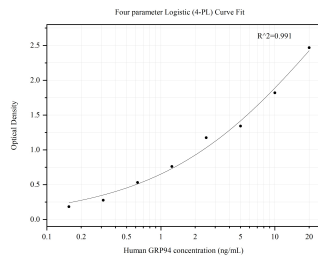
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
100% PBS pH 7.3

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)

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## Selected Validation Data



Standard curve of MP50013-1 measured by sandwich ELISA. Capture antibody: 60012-2-PBS. Detection antibody: 60012-1-PBS (HRP conjugated). Standard: Ag1439. Range: 0.156-20 ng/mL