

For Research Use Only

# HSPC159 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83983-1-PBS



## Basic Information

<b>Catalog Number:</b> 83983-1-PBS	<b>GenBank Accession Number:</b> BC062691	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 29094	<b>CloneNo.:</b> 241113D2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q3ZCW2	
<b>Isotype:</b> IgG	<b>Full Name:</b> galectin-related protein	
<b>Immunogen Catalog Number:</b> AG10109	<b>Calculated MW:</b> 172 aa, 19 kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

83983-1-PBS targets HSPC159 as part of a matched antibody pair:

MP00879-1: 83983-1-PBS capture and 83983-3-PBS detection (validated in Cytometric bead array)

MP00879-2: 83983-1-PBS capture and 83983-2-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.

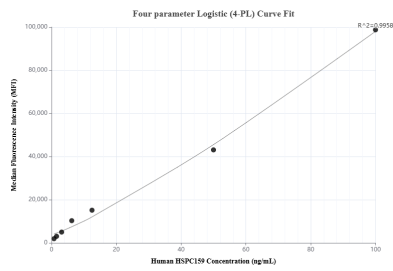
## Storage

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

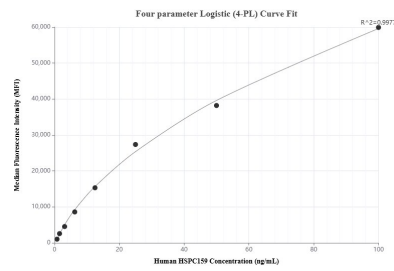
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

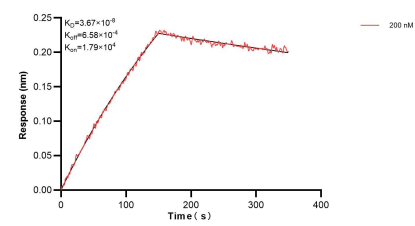
## Selected Validation Data



Cytometric bead array standard curve of MP00879-1, HSPC159 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83983-1-PBS. Detection antibody: 83983-3-PBS. Standard: Ag10109. Range: 0.78-100 ng/mL.



Cytometric bead array standard curve of MP00879-2, HSPC159 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83983-1-PBS. Detection antibody: 83983-2-PBS. Standard: Ag10109. Range: 0.78-100 ng/mL.



Bilayer interferometry (BLI) kinetic assay of 83983-1-PBS against Human HSPC159 was performed. The affinity constant is 36.7 nM.