

For Research Use Only

# Rat Leptin Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number: 83655-2-PBS



## Basic Information

<b>Catalog Number:</b> 83655-2-PBS	<b>GenBank Accession Number:</b> NM_013076.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 25608	<b>CloneNo.:</b> 240368B8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P50596	
<b>Isotype:</b> IgG	<b>Full Name:</b> leptin	
	<b>Calculated MW:</b> 19 kDa	

## Applications

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

**Species Specificity:**  
rat

## Product Information

83655-2-PBS targets Leptin as part of a matched antibody pair:

MP00639-1: 83655-2-PBS capture and 83655-1-PBS detection (validated in Cytometric bead array)

MP00639-2: 83655-1-PBS capture and 83655-2-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.

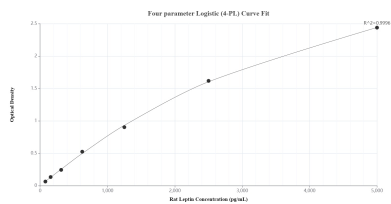
## Storage

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

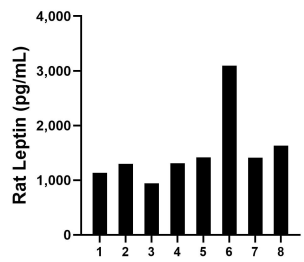
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

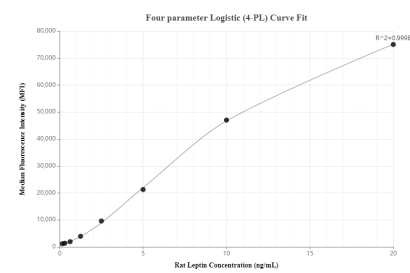
## Selected Validation Data



Sandwich ELISA standard curve of MP00639-2, Rat Leptin Recombinant Matched Antibody Pair - PBS only. 83655-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0892. 83655-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



Serum of eight rats was measured. The Leptin concentration of detected samples was determined to be 1,530.4 pg/mL with a range of 943.6 - 3,095.9 pg/mL



Cytometric bead array standard curve of MP00639-1, RAT Leptin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83655-2-PBS. Detection antibody: 83655-1-PBS. Standard: Eg0892. Range: 0.156-20 ng/mL