

For Research Use Only

# Anti-Mouse LEPR Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98625-2-PBS



## Basic Information

|                                     |                                          |                                                |
|-------------------------------------|------------------------------------------|------------------------------------------------|
| Catalog Number:<br>98625-2-PBS      | GenBank Accession Number:<br>NM_146146.2 | Purification Method:<br>Protein A purification |
| Size:<br>1mg , 3 mg/ml              | GeneID (NCBI):<br>16847                  | CloneNo.:<br>250779C11                         |
| Source:<br>Rabbit                   | UNIPROT ID:<br>P48356-1                  |                                                |
| Isotype:<br>IgG                     | Full Name:<br>leptin receptor            |                                                |
| Immunogen Catalog Number:<br>EG2930 | Calculated MW:<br>131 kDa                |                                                |

## Applications

Tested Applications:  
FC

Species Specificity:  
mouse

## Background Information

Leptin receptor (LEPR) is a protein-coding gene that encodes a receptor for leptin, an adipocyte-specific hormone that regulates body weight and fat metabolism (PMID: 11861497; 16333525). LEPR is involved in various physiological processes, including energy homeostasis, immune function, and hematopoiesis (PMID: 11923481; 25383904). It activates the JAK2/STAT3 signaling pathway, which is crucial for mediating leptin's effects on gene transcription and cellular responses (PMID: 11923481). LEPR also plays a role in the regulation of lipid metabolism, blood pressure, and blood glucose levels (PMID: 29254602).

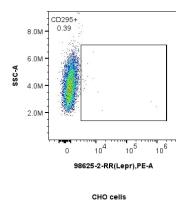
## Storage

Storage:  
Store at -80°C.  
Storage Buffer:  
PBS only, pH7.3

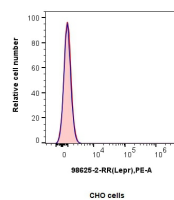
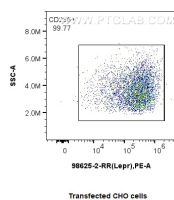
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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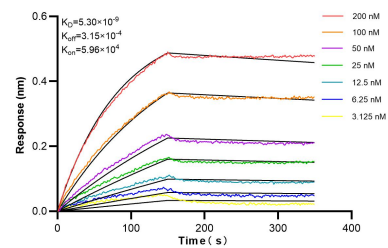
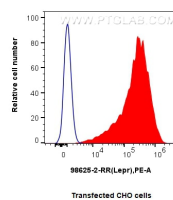
## Selected Validation Data



1x10<sup>6</sup> CHO cells or Lepr transfect CHO cells were surface stained with 0.25 ug Anti-Mouse LEPR Rabbit RecAb (98625-2-RR, Clone:250779C11), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98625-2-PBS in a different storage buffer formulation.



1x10<sup>6</sup> CHO cells or Lepr transfect CHO cells were surface stained with 0.25 ug Anti-Mouse LEPR Rabbit RecAb (98625-2-RR, Clone:250779C11), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98625-2-PBS in a different storage buffer formulation.



Bilayer interferometry (BLI) kinetic assays of 98625-2-RR against Mouse LEPR were performed. The affinity constant is 5.30 nM.