

For Research Use Only

Anti-Mouse LEPR Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98625-2-PBS



Basic Information

Catalog Number:	98625-2-PBS	GenBank Accession Number:	NM_146146.2	Purification Method:	Protein A purification
Concentration:	1mg, 3 mg/ml	GeneID (NCBI):	16847	CloneNo.:	250779C11
Source:	Rabbit	UNIPROT ID:	P48356-1		
Isotype:	IgG	Full Name:	leptin receptor		
Immunogen Catalog Number:	EG2930	Calculated MW:	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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

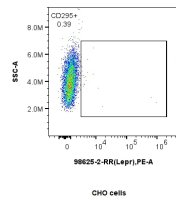
T: 4006900926

E: Proteintech-CN@ptglab.com

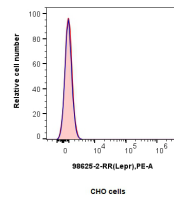
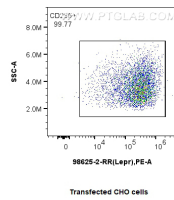
W: ptgcn.com

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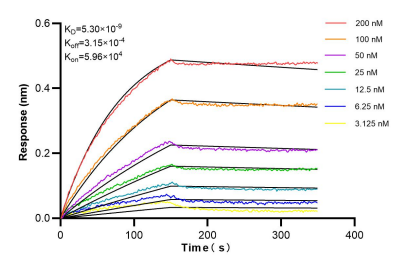
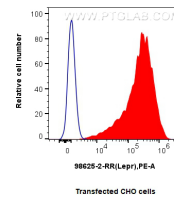
Selected Validation Data



1x10⁶ 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.



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