

For Research Use Only

Anti-Mouse LEPR Rabbit Recombinant Antibody

Catalog Number: 98625-2-RR



Basic Information

Catalog Number: 98625-2-RR	GenBank Accession Number: NM_146146.2	Purification Method: Protein A purification
Concentration: 100ug, 1000 µg/ml	GeneID (NCBI): 16847	CloneNo.: 250779C11
Source: Rabbit	UNIPROT ID: P48356-1	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: leptin receptor	
Immunogen Catalog Number: EG2930	Calculated MW: 131 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : Transfected CHO cells,
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 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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

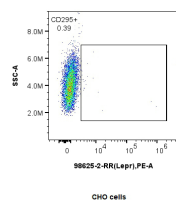
T: 4006900926

E: Proteintech-CN@ptglab.com

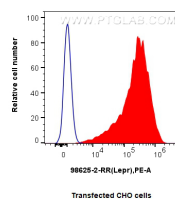
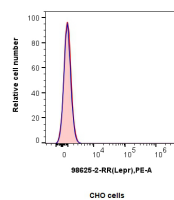
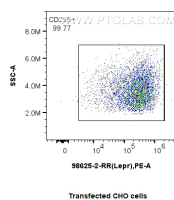
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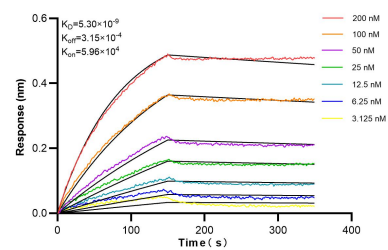
Selected Validation Data



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.



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) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



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