

For Research Use Only

Chemerin Recombinant monoclonal antibody

Catalog Number: 83550-4-RR



Basic Information

Catalog Number:

83550-4-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0875

GenBank Accession Number:

NM_001347168.1

GeneID (NCBI):

71660

UNIPROT ID:

Q9DD06

Full Name:

retinoic acid receptor responder
(tazarotene induced) 2

Calculated MW:

18 kDa

Observed MW:

14-19 kDa

Purification Method:

Protein A purification

CloneNo.:

240355A12

Recommended Dilutions:

WB: 1:2000-1:16000

FC (Intra): 0.25 ug per 10⁶ cells in a
100 µl suspension

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

mouse

Positive Controls:

WB : mouse adipose tissue, mouse brown adipose
tissue

FC (Intra) : C57BL/6 mouse liver cells,

Background Information

Chemerin, also named as TIG2 and RARRES2, is adipocyte-secreted protein (adipokine) that regulates adipogenesis, metabolism and inflammation through activation of the chemokine-like receptor 1 (CMKLR1). Its other ligands include G protein-coupled receptor 1 (GPR1) and chemokine receptor-like 2 (CCRL2). It positively regulates adipocyte differentiation, modulates the expression of adipocyte genes involved in lipid and glucose metabolism and might play a role in angiogenesis, a process essential for the expansion of white adipose tissue. RARRES2 have both pro- and anti-inflammatory properties depending on the modality of enzymatic cleavage by different classes of proteases. The MW of Chemerin is 14-19 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

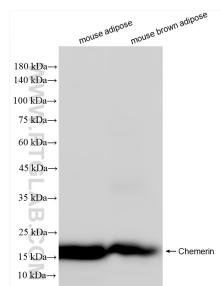
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E: Proteintech-CN@ptglab.com

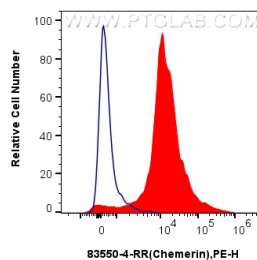
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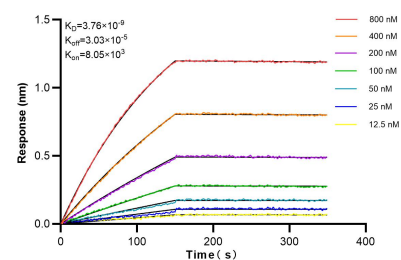
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83550-4-RR (Chemerin antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



1×10^6 C57BL/6 mouse liver cells were intracellularly stained with 0.25 μ g Chemerin Recombinant antibody (83550-4-RR, Clone:240355A12) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Biolayer interferometry (BLI) kinetic assays of 83550-4-RR against Mouse Chemerin were performed. The affinity constant is 3.76 nM.