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Datasheet for ABIN6720015

Chemerin ELISA Kit

Overview

Quantity:	1 kit
Target:	Chemerin (RARRES2)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	0.78 ng/mL - 50 ng/mL
Minimum Detection Limit:	0.78 ng/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric

Characteristics:	<p>Synonyms: chemerin, HP10433, RAR-responsive protein TIG2, RARRES2, retinoic acid receptor responder (tazarotene induced) 2, retinoic acid receptor responder protein 2, tazarotene-induced gene 2 protein, TIG3</p> <p>Background: Chemerin, also known as RARRES2 or TIG2, is a protein that is encoded by the RARRES2 gene. It is mapped to 7q36.1. Chemerin is a potent chemoattractant specific for antigen-presenting cells that requires proteolytic activation and acts as a ligand for the G protein-coupled receptor CMKLR1(also known as ChemR23). It is a 14 kDa protein secreted in an inactive form as prochemerin and is activated through cleavage of the C-terminus by</p>
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Product Details

inflammatory and coagulation serine proteases. Chemerin was found to stimulate chemotaxis of dendritic cells and macrophages to the site of inflammation. What's more, the active protein has several roles, including that as an adipokine, and is truncated on both termini from the proprotein.

Gene Name: RARRES2

Production: Natural and recombinant mouse Chemerin. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: T20-K162

Target Details

Target:	Chemerin (RARRES2)
Alternative Name:	Chemerin - RARRES2 (RARRES2 Products)
Gene ID:	71660
NCBI Accession:	NP_082128
UniProt:	Q9DD06
Pathways:	Brown Fat Cell Differentiation

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 50 ng/mL, 25 ng/mL, 12.5 ng/mL, 6.25 ng/mL, 3.12 ng/mL, 1.56 ng/mL, 0.78 ng/mL mouse Chemerin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each mouse Chemerin standard solution and each sample is measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 0.78 ng/mL-50 ng/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT, 4 °C, -20 °C
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Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
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