

Datasheet for KOA0799**Mouse Chemerin - RARRES2 ELISA Kit****Overview**

Description:	Mouse Chemerin/RARRES2 AccuSignal ELISA Kit - KOA0799
Item No.:	KOA0799
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	0.78 ng/ml - 50 ng/ml

Product Details

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 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.
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
Detection Kit Type:	ELISA Kit
Detection Range:	0.78 ng/ml - 50 ng/ml
Sensitivity:	<20 pg/ml

Target Details

Gene Name:	RARRES2
Reactivity:	Mouse
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: T20-K162

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

Relevant Links:

- [UniProtKB - Q9DD06](#)
- [NCBI - NP_082128.1](#)
- [GeneID - 71660](#)
- [KOA0799 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml, 0.78ng/ml mouse Chemerin standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Anticoagulant: Heparin Sodium

Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: 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.

Expiration: See kit insert for complete instructions.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.