

Human Chemerin/RARRES2 ELISA Kit | RARRES2 elisa kit

Human Chemerin/RARRES2 PicoKine ELISA Kit

CATALOG #
AAA45989

REACTIVITY
Human

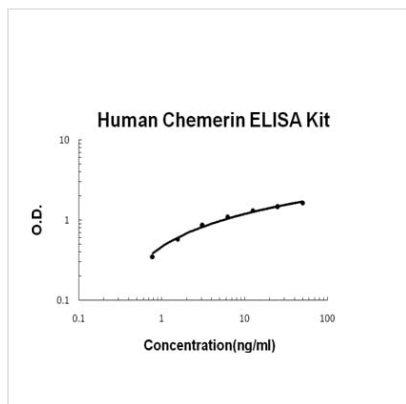
PRODUCT SYNONYMS

Chemerin/RARRES2; Human Chemerin/RARRES2 PicoKine ELISA Kit; Retinoic acid receptor responder protein 2; retinoic acid receptor responder (tazarotene induced) 2; HP10433; RAR responsive protein TIG2; RAR-responsive protein TIG2; RARR2_HUMAN; RARRES2; Retinoic acid receptor responder (tazarotene induced) 2; Tazarotene induced gene 2 protein; Tazarotene-induced gene 2 protein; TIG2; RARRES2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Chemerin
Sequence Length	163
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	0.78ng/ml-50ng/ml
Sensitivity	< 20pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Chemerin/RARRES2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for RARRES2 elisa kit	Principle of the assay: human Chemerin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Chemerin has been precoated onto 96-well plates. Standards(E.coli, V17-S163) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Chemerin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Chemerin amount of sample captured in plate. Background: Chemerin, also known as RARRES2 or TIG2, is a protein that in humans 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.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	6226227
NCBI GeneID	5919
UniProt Accession #	Q99969; Q7LE02
Molecular Weight	18,618 Da
NCBI Official Full Name	Retinoic acid receptor responder protein 2
NCBI Official Synonym Full Names	retinoic acid receptor responder (tazarotene induced) 2
NCBI Official Symbol	RARRES2
NCBI Official Synonym Symbols	TIG2; HP10433
NCBI Protein Information	retinoic acid receptor responder protein 2; chemerin; RAR-responsive protein TIG2; tazarotene-induced gene 2 protein
UniProt Protein Name	Retinoic acid receptor responder protein 2
UniProt Gene Name	RARRES2
UniProt Synonym Gene Names	TIG2
UniProt Entry Name	RARR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.