

Rat Chemerin ELISA Kit | CHEM elisa kit

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CATALOG #
AAA17366

REACTIVITY
Rat

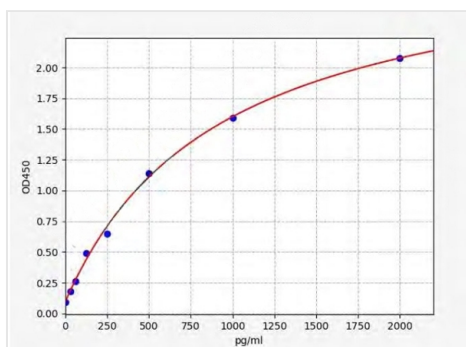
PRODUCT SYNONYMS

Chemerin; Rat Chemerin ELISA Kit; RARRES2/TIG-2/chemerin/CHEM/RARRES2/RAR-responsive protein TIG2/retinoic acid receptor responder (tazarotene induced) 2/retinoic acid receptor responder protein 2/Tazarotene-induced gene 2 protein; CHEM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Specifically recognize CHEM, no obvious cross reaction with other analogues
Sequence Length	162
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHEM elisa kit	Background: Chemerin is a 16KDa mature chemoattractant composed of 163 amino acids. It is involved in adipocyte differentiation and glucose transport through autocrine action, and can also mediate inflammatory response through paracrine and endocrine action. Chemerin is involved in immune response, inflammatory response and glucose and lipid metabolism, and shows both pro-inflammatory and anti-inflammatory effects. The expression of Chemerin is up-regulated by inflammatory cytokines (TNF-? and IL-6), and can promote angiogenesis. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti CHEM antibody was pre-coated onto the 96-well plate. The biotin conjugated anti CHEM antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with CHEM conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of CHEM in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222154072
Molecular Weight	18,357 Da
NCBI Official Full Name	chemerin
UniProt Protein Name	Chemerin
UniProt Gene Name	RARRES2
UniProt Entry Name	B9VR25_BOVIN

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.

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Online datasheet: <https://stage.aaabiotech.com/chem-rat-elisa-kits/chemerin/17366>