

Human Nuclear receptor ROR-gamma ELISA Kit | RORC elisa kit

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CATALOG #
AAA98186

REACTIVITY
Human

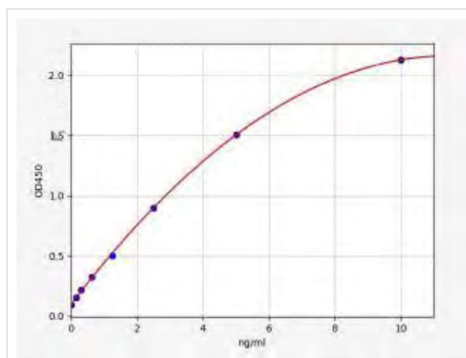
PRODUCT SYNONYMS

Nuclear receptor ROR-gamma; Human Nuclear receptor ROR-gamma ELISA Kit; RORC/ROR gamma/NR1F3/RZRG/MGC129539/nuclear receptor ROR-gamma/Nuclear receptor RZR-gamma/Nuclear receptor subfamily 1 group F member 3/RAR-related orphan receptor C/RAR-related orphan receptor gamma/retinoic acid-binding receptor gamma/retinoid-related orphan receptor gamma/Retinoid-related orphan receptor-gamma/RORGMGC129539/RZGRZR-GAMMA/TOR; RORC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize RORC, no obvious cross reaction with other analogues
Sequence Length	497
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 RORC elisa kit	Background: Nuclear Receptor ROR-gamma (RORC) is a transcription factor belonging to the retinoic acid receptor-related orphan receptor (ROR) family. It is predominantly expressed in immune cells, where it regulates the differentiation and function of T helper 17 (Th17) cells, a subset of T lymphocytes involved in host defense and autoimmune responses. Nuclear Receptor ROR-gamma controls the expression of genes encoding cytokines such as interleukin-17 (IL-17) and interleukin-22 (IL-22), thereby influencing immune homeostasis and inflammatory processes. Dysregulation of Nuclear Receptor ROR-gamma activity is implicated in autoimmune diseases, inflammatory disorders, and metabolic conditions. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti RORC antibody was precoated onto the 96-well plate. The biotin conjugated anti RORC 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 RORC 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 RORC 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 #	48255918
NCBI GeneID	6097
NCBI Accession #	NP_001001523.1
NCBI GenBank Nucleotide #	NM_001001523.1
Molecular Weight	55,813 Da
NCBI Official Full Name	nuclear receptor ROR-gamma isoform b
NCBI Official Synonym Full Names	RAR related orphan receptor C
NCBI Official Symbol	RORC
NCBI Official Synonym Symbols	TOR; RORG; RZRG; IMD42; NR1F3; RZR-GAMMA
NCBI Protein Information	nuclear receptor ROR-gamma
UniProt Protein Name	Nuclear receptor ROR-gamma
UniProt Gene Name	RORC
UniProt Synonym Gene Names	NR1F3; RORG; RZRG
UniProt Entry Name	RORG_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.

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Online datasheet: <https://stage.aaabiotech.com/rorc-human-elisa-kits/nuclear-receptor-ror-gamma/98186>