

Human Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1) ELISA Kit | ROR1 elisa kit

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CATALOG # AAA187112	REACTIVITY Human
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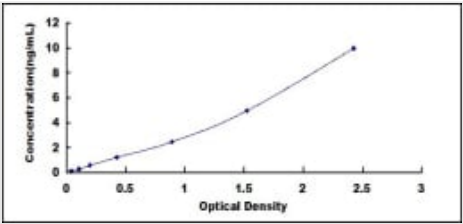
PRODUCT SYNONYMS

Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1); Human Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1) ELISA Kit; NTRKR1; Tyrosine-protein kinase transmembrane receptor ROR1; Neurotrophic tyrosine kinase; receptor-related 1; ROR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1). No significant cross-reactivity or interference between Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1) and analogues was observed.
Sequence Length	393
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ROR1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	225000916
NCBI GeneID	4919
UniProt Accession #	Q01973; Q5VVX6; Q66K77; Q92776
Molecular Weight	43,826 Da
NCBI Official Full Name	Receptor tyrosine kinase-like orphan receptor 1
NCBI Official Synonym Full Names	receptor tyrosine kinase like orphan receptor 1
NCBI Official Symbol	ROR1
NCBI Official Synonym Symbols	NTRKR1; dJ537F10.1
NCBI Protein Information	inactive tyrosine-protein kinase transmembrane receptor ROR1
UniProt Protein Name	Inactive tyrosine-protein kinase transmembrane receptor ROR1
UniProt Gene Name	ROR1
UniProt Synonym Gene Names	NTRKR1

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/human-elisa-kits/receptor-tyrosine-kinase-like-orphan-receptor-1-ror1/187112>