

Human C-Ros Oncogene 1, Receptor Tyrosine Kinase (ROS1) ELISA Kit | ROS1 elisa kit

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CATALOG #
AAA140663

REACTIVITY
Human

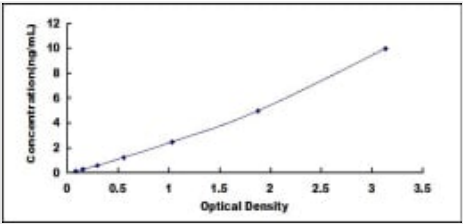
PRODUCT SYNONYMS

C-Ros Oncogene 1; Receptor Tyrosine Kinase (ROS1); Human C-Ros Oncogene 1; Receptor Tyrosine Kinase (ROS1) ELISA Kit; MCF3; ROS; c-Ros-1; v-Ros Avian UR2 Sarcoma Virus Oncogene Homolog 1; Proto-oncogene tyrosine-protein kinase ROS; Receptor tyrosine kinase c-ros oncogene 1; ROS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of C-Ros Oncogene 1, Receptor Tyrosine Kinase (ROS1). No significant cross-reactivity or interference between C-Ros Oncogene 1, Receptor Tyrosine Kinase (ROS1) and analogues was observed.
Sequence Length	2347
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates 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 C-Ros Oncogene 1, Receptor Tyrosine Kinase (ROS1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level C-Ros Oncogene 1, Receptor Tyrosine Kinase (ROS1) 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 ROS1 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 C-Ros Oncogene 1, Receptor Tyrosine Kinase (ROS1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to C-Ros Oncogene 1, Receptor Tyrosine Kinase (ROS1). 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 C-Ros Oncogene 1, Receptor Tyrosine Kinase (ROS1), 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 C-Ros Oncogene 1, Receptor Tyrosine Kinase (ROS1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ROS1 elisa kit	Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	187252527
NCBI GeneID	6098
Molecular Weight	263,915 Da
NCBI Official Full Name	C-ros oncogene 1, receptor tyrosine kinase
NCBI Official Synonym Full Names	ROS proto-oncogene 1 , receptor tyrosine kinase
NCBI Official Symbol	ROS1
NCBI Official Synonym Symbols	ROS; MCF3; c-ros-1
NCBI Protein Information	proto-oncogene tyrosine-protein kinase ROS
UniProt Protein Name	Proto-oncogene tyrosine-protein kinase ROS
UniProt Gene Name	ROS1
UniProt Synonym Gene Names	MCF3; ROS
UniProt Entry Name	ROS1_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.