

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

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CATALOG #
AAA68450

REACTIVITY
Mouse

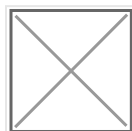
PRODUCT SYNONYMS

C-Ros Oncogene 1; Receptor Tyrosine Kinase (ROS1); Mouse 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	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ROS1. No significant cross-reactivity or interference between ROS1 and analogues was observed.
Sequence Length	2340
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.1-5000pg/mL
Sensitivity	<33pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ROS1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ROS1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ROS1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ROS1 in mouse serum, plasma, tissue homogenates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ROS1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 ROS1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	114326510
NCBI GeneID	19886
NCBI Accession #	NP_035412.2
NCBI GenBank Nucleotide #	NM_011282.2
UniProt Accession #	Q78DX7; Q60705
Molecular Weight	261,967 Da
NCBI Official Full Name	proto-oncogene tyrosine-protein kinase ROS
NCBI Official Synonym Full Names	Ros1 proto-oncogene
NCBI Official Symbol	Ros1
NCBI Official Synonym Symbols	Ros-1; c-ros
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	Ros; Ros-1

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/mouse-elisa-kits/c-ros-oncogene-1-receptor-tyrosine-kinase-ros1/68450>