

Mouse c-ros oncogene 1, receptor tyrosine kinase (ROS1) ELISA Kit | ROS1 elisa kit

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CATALOG #
AAA244977

REACTIVITY
Mouse

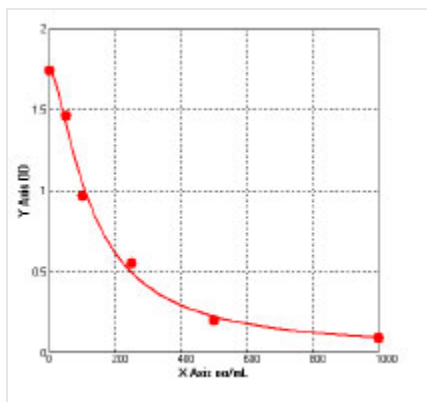
PRODUCT SYNONYMS

c-ros oncogene 1; receptor tyrosine kinase (ROS1); Mouse c-ros oncogene 1; receptor tyrosine kinase (ROS1) ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ROS1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Intended Uses	This ROS1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ROS1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ROS1 elisa kit	Principle of the Assay: ROS1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ROS1 antibody and an ROS1-HRP conjugate. The assay sample and buffer are incubated together with ROS1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ROS1 concentration since ROS1 from samples and ROS1-HRP conjugate compete for the anti-ROS1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ROS1 from the sample, fewer sites are left to bind ROS1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ROS1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ROS1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ROS1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ROS1 elisa kit	Epigenetics and Nuclear Signaling

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; proto-oncogene c-Ros-1; c-ros oncogene 1 , receptor tyrosine kinase; transmembrane tyrosine-specific protein kinase; v-ros avian UR2 sarcoma virus oncogene homolog 1
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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/c-ros-oncogene-1-receptor-tyrosine-kinase-ros1/244977>