Human Mitochondrial Peptide Methionine Sulfoxide Reductase (MSRA) ELISA Kit | MSRA elisa kit

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CATALOG #	REACTIVITY
AAA331680	**Human**

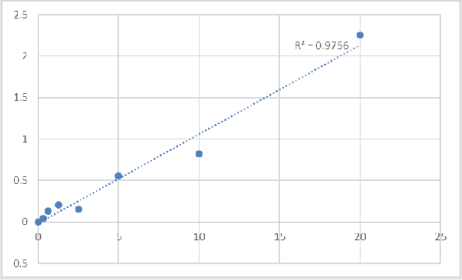
PRODUCT SYNONYMS

Mitochondrial Peptide Methionine Sulfoxide Reductase (MSRA); Human Mitochondrial Peptide Methionine Sulfoxide Reductase (MSRA) ELISA Kit; MSRA; Cytosolic methionine-S-sulfoxide reductase; peptide met (O) reductase; MSRA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mitochondrial peptide methionine sulfoxide reductase (MSRA) ELISA Kit has high sensitivity and excellent specificity for detection of Human MSRA. No significant cross-reactivity or interference between Human MSRA and analogues was observed.
Sequence Length	195
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)
Fig.1. Human Mitochondrial peptide methionine sulfoxide reductase (MSRA) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MSRA elisa kit	Description: This Human Mitochondrial peptide methionine sulfoxide reductase (MSRA) ELISA Kit employs a two-site sandwich ELISA to quantitate MSRA in samples. An antibody specific for MSRA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MSRA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MSRA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MSRA bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MSRA encodes a ubiquitous and highly conserved protein that carries out the enzymatic reduction of methionine sulfoxide to methionine. Human and animal studies have shown the highest levels of expression in kidney and nervous tissue. The protein functions in the repair of oxidatively damaged proteins to restore biological activity. Alternative splicing results in multiple transcript variants.

NCBI AND UNIPROT INFORMATION

NCBI GI #	208609993
NCBI GeneID	4482
NCBI Accession #	NP_001129142.1
NCBI GenBank Nucleotide #	NP_001129142.1
UniProt Accession #	Q9UJ68
NCBI Official Full Name	mitochondrial peptide methionine sulfoxide reductase isoform b
NCBI Official Synonym Full Names	methionine sulfoxide reductase A
NCBI Official Symbol	MSRA
NCBI Official Synonym Symbols	PMSR
NCBI Protein Information	mitochondrial peptide methionine sulfoxide reductase
UniProt Protein Name	Mitochondrial peptide methionine sulfoxide reductase
UniProt Gene Name	**MSRA**
UniProt Synonym Gene Names	Peptide Met(O) reductase; PMSR
UniProt Entry Name	MSRA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/human-elisa-kits/mitochondrial-peptide-methionine-sulfoxide-reductase-msra/331680