

Human Methionine-R-sulfoxide Reductase B2, Mitochondrial (MSRB2/CBS-1/MSRB/CGI-131) ELISA Kit | MSRB2/CBS-1/MSRB/CGI-131 elisa kit

Human Methionine-R-sulfoxide Reductase B2, Mitochondrial (MSRB2/CBS-1/MSRB/CGI-131) ELISA Kit

CATALOG # AAA331679	REACTIVITY Human
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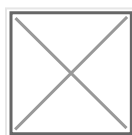
PRODUCT SYNONYMS

Methionine-R-sulfoxide Reductase B2; Mitochondrial (MSRB2/CBS-1/MSRB/CGI-131); Human Methionine-R-sulfoxide Reductase B2; Mitochondrial (MSRB2/CBS-1/MSRB/CGI-131) ELISA Kit; MSRB2; CBS-1; CBS1; CGI-131; MGC26104; MSRB; PILB; methionine-r-sulfoxide reductase B2 variant 1; methionine-r-sulfoxide reductase B2 variant 3; pilin-like transcription factor; MSRB2/CBS-1/MSRB/CGI-131 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Methionine-R-sulfoxide reductase B2, mitochondrial (MSRB2/CBS-1/MSRB/CGI-131) ELISA Kit has high sensitivity and excellent specificity for detection of Human MSRB2. No significant cross-reactivity or interference between Human MSRB2 and analogues was observed.
Sequence Length	182
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 Methionine-R-sulfoxide reductase B2, mitochondrial (MSRB2/CBS-1/MSRB/CGI-131) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MSRB2/CBS-1/MSRB/CGI-131 elisa kit	Description: This Human Methionine-R-sulfoxide reductase B2, mitochondrial (MSRB2/CBS-1/MSRB/CGI-131) ELISA Kit employs a two-site sandwich ELISA to quantitate MSRB2 in samples. An antibody specific for MSRB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MSRB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MSRB2 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 MSRB2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MSRB2 (Methionine Sulfoxide Reductase B2) is a Protein Coding gene. Among its related pathways are Protein repair and Metabolism of proteins. GO annotations related to this gene include transcription factor activity, sequence-specific DNA binding and peptide-methionine (R)-S-oxide reductase activity. An important paralog of this gene is MSRB3. Methionine-sulfoxide reductase that specifically reduces methionine (R)-sulfoxide back to methionine. While in many cases, methionine oxidation is the result of random oxidation following oxidative stress, methionine oxidation is also a post-translational modification that takes place on specific residue. Upon oxidative stress, may play a role in the preservation of mitochondrial integrity by decreasing the intracellular reactive oxygen species build-up through its scavenging role, hence contributing to cell survival and protein maintenance.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117606353
NCBI GeneID	22921
NCBI Accession #	NP_036360.3
NCBI GenBank Nucleotide #	NP_036360.3
UniProt Accession #	Q9Y3D2
NCBI Official Full Name	methionine-R-sulfoxide reductase B2, mitochondrial
NCBI Official Synonym Full Names	methionine sulfoxide reductase B2
NCBI Official Symbol	MSRB2
NCBI Official Synonym Symbols	CBS1; MSRB; PILB; CBS-1; CGI-131
NCBI Protein Information	methionine-R-sulfoxide reductase B2, mitochondrial
UniProt Protein Name	Methionine-R-sulfoxide reductase B2, mitochondrial
UniProt Gene Name	MSRB2
UniProt Synonym Gene Names	CBS-1; MSRB; MsrB2
UniProt Entry Name	MSRB2_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.