Methotrexate (MTX) ELISA Kit for Pigeon

PRODUCT OVERVIEW

Product Name	Methotrexate (MTX), ELISA Kit
Full Product Name	Pigeon Methotrexate ELISA Kit
Product Gene Name	MTX elisa kit
Species Reactivity	Pigeon
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	51,477 Da
OMIM	600605
3D Structure	ModBase 3D Structure for Q13505
Related Product Information for MTX elisa kit	MBS082544 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Methotrexate (MTX) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing MTX. The ELISA analytical biochemical technique of the MBS082544 kit is based on MTX antibody-MTX antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect MTX antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, MTX. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of MTX elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MTX. It may not necessarily be applicable to this product.

NCBI GI #	597955330
NCBI GeneID	4580
NCBI Accession #	NP_002446.3
UniProt Primary Accession #	Q13505
UniProt Secondary Accession #	Q9BUU3; B1AVR9; B1AVS0; B2R9P4
UniProt Related Accession #	Q13505
GenBank Nucleotide #	NM_002455.4
NCBI Official Full Name	metaxin-1 isoform 1
NCBI Official Synonym Full Names	metaxin 1
NCBI Official Symbol	MTX1
NCBI Official Synonym Symbols	MTX; MTXN
UniProt Protein Name	Metaxin-1
UniProt Synonym Protein Names	Mitochondrial outer membrane import complex protein 1
Protein Family	Benomyl/methotrexate resistance protein

UniProt Gene Name	MTX1
UniProt Synonym Gene Names	MTX; MTXN
UniProt Entry Name	MTX1_HUMAN
NCBI Protein Information	metaxin-1; mitochondrial outer membrane import complex protein 1
UniProt Comments for MTX	MTX1: Involved in transport of proteins into the mitochondrion. Essential for embryonic development. Belongs to the metaxin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Mitochondrial; Membrane protein, integral Chromosomal Location of Human Ortholog: 1q21 Cellular Component: mitochondrial outer membrane; integral to membrane Biological Process: cellular protein metabolic process; protein targeting to mitochondrion
Research Articles on MTX	**1.** Results describe the association between the MTX1 and beta-glucocerebrosidase genes and its possible effect on Parkinson disease.
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