Cytochrome B 561 (CYB561) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cytochrome b 561 (CYB561), ELISA Kit
Full Product Name	Human Cytochrome b 561 ELISA Kit
Product Gene Name	CYB561 elisa kit
Species Reactivity	Human
Assay Type	Competitive
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	27,559 Da
OMIM	600019
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for CYB561 elisa kit	MBS722780 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cytochrome b 561 (CYB561) 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 CYB561. The ELISA analytical biochemical technique of the MBS722780 kit is based on CYB561 antibody-CYB561 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CYB561 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CYB561. 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 CYB561 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 CYB561. It may not necessarily be applicable to this product.

NCBI GI #	63054832
NCBI GeneID	1534
NCBI Accession #	NP_001017917.1
UniProt Secondary Accession #	Q5BJG9; Q9BU05; Q9BWR9; B2RE96; D3DU11
UniProt Related Accession #	P49447
GenBank Nucleotide #	NM_001017917.1
NCBI Official Full Name	cytochrome b561
NCBI Official Synonym Full Names	cytochrome b561

NCBI Official Symbol	CYB561
NCBI Official Synonym Symbols	FRRS2; CYB561A1
UniProt Protein Name	Cytochrome b561
UniProt Synonym Protein Names	Cytochrome b-561
Protein Family	Cytochrome
UniProt Gene Name	CYB561
UniProt Entry Name	CY561_HUMAN
NCBI Protein Information	cytochrome b561; cytochrome b-561; ferric-chelate reductase 2; cytochrome b561 family, member A1
UniProt Comments for CYB561	CYB561: Secretory vesicle-specific electron transport protein. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 17q23.3 Cellular Component: integral to membrane Molecular Function: metal ion binding; ferric-chelate reductase activity; transmembrane electron transfer carrier Biological Process: transmembrane transport
Research Articles on CYB561	**1.** We studied hereditary control of HR with the twin pair design, at rest and during environmental (cold) stress. Single nucleotide polymorphism disruption of a microribonucleic acid (microRNA) recognition motif in the human CYB561 3'-UTR was identified .
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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