Coronin-1a (CORO1A) ELISA Kit for Human

PRODUCT OVERVIEW

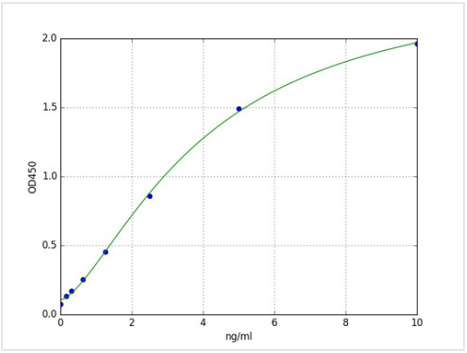
Product Name	Coronin-1A (CORO1A), ELISA Kit
Full Product Name	Human Coronin-1A ELISA Kit
Product Gene Name	CORO1A elisa kit
Product Synonym Names	Coronin-1A/CORO1A/TACO/Clipin-A/Tryptophan aspartate-containing coat protein/Coronin-like protein A/Coronin-like protein p57
Species Reactivity	Human
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C
Molecular Weight	51,026 Da
OMIM	605000
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CORO1A elisa kit	Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human Coronin-1A antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human Coronin-1A antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Coronin-1A amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human Coronin-1A can be calculated.
Other Notes	Small volumes of CORO1A 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.
Searchable Terms for CORO1A purchase	MBS764699 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Coronin-1A (CORO1A) 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 CORO1A. The ELISA analytical biochemical technique of the MBS764699 kit is based on CORO1A antibody-CORO1A antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CORO1A antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CORO1A. 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(%).

Typical Data & Standard Curve

Results of a typical standard run of a Human Coronin-1A ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450								

Typical Testing Data of CORO1A elisa kit



Typical Standard Curve of CORO1A elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CORO1A. It may not necessarily be applicable to this product.

NCBI GI #	300934762
NCBI GeneID	11151
NCBI Accession #	NP_001180262.1
UniProt Secondary Accession #	Q2YD73; B2RBL1
UniProt Related Accession #	P31146
GenBank Nucleotide #	NM_001193333.2
NCBI Official Full Name	coronin-1A
NCBI Official Synonym Full Names	coronin 1A
NCBI Official Symbol	CORO1A
NCBI Official Synonym Symbols	p57; IMD8; TACO; CLABP; HCORO1; CLIPINA
UniProt Protein Name	Coronin-1A
UniProt Synonym Protein Names	Coronin-like protein A; Clipin-A; Coronin-like protein p57; Tryptophan aspartate-containing coat protein; TACO
Protein Family	Coronin
UniProt Gene Name	CORO1A
UniProt Synonym Gene Names	CORO1; Clipin-A; TACO
UniProt Entry Name	COR1A_HUMAN
NCBI Protein Information	coronin-1A
NCBI Summary for CORO1A	This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. Alternative splicing results in multiple transcript variants. A related pseudogene has been defined on chromosome 16. [provided by RefSeq, Sep 2010]

UniProt Comments for CORO1A	coronin 1A: May be a crucial component of the cytoskeleton of highly motile cells, functioning both in the invagination of large pieces of plasma membrane, as well as in forming protrusions of the plasma membrane involved in cell locomotion. In mycobacteria- infected cells, its retention on the phagosomal membrane prevents fusion between phagosomes and lysosomes. Belongs to the WD repeat coronin family. Protein type: Motility/polarity/chemotaxis; Cytoskeletal Chromosomal Location of Human Ortholog: 16p11.2 Cellular Component: actin filament; axon; cortical actin cytoskeleton; cytoplasm; early endosome; immunological synapse; intercellular junction; lamellipodium; membrane; nucleus; phagocytic cup; phagocytic vesicle; phagocytic vesicle membrane; plasma membrane; protein complex Molecular Function: actin binding; actin filament binding; actin monomer binding; cytoskeletal protein binding; myosin heavy chain binding; phosphoinositide 3-kinase binding; protein binding; protein C-terminus binding; protein homodimerization activity Biological Process: actin cytoskeleton organization and biogenesis; actin filament organization; calcium ion transport; cell motility; cell-substrate adhesion; formation of immunological synapse; homeostasis of number of cells within a tissue; innate immune response; leukocyte chemotaxis; natural killer cell degranulation; negative regulation of actin nucleation; negative regulation of neuron apoptosis; negative regulation of vesicle fusion; phagocytosis; phagolysosome formation; positive chemotaxis; positive regulation of cell migration; positive regulation of T cell proliferation; regulation of actin cytoskeleton organization and biogenesis; regulation of cell shape; regulation of release of sequestered calcium ion into cytosol; T cell homeostasis; uropod organization and biogenesis Disease: Immunodeficiency 8
Research Articles on CORO1A	**1.** Together, these findings both in Jurkat T cells as well as in primary T cells indicate a regulatory role of Coro1A on PKCtheta; recruitment and function downstream of the TCR leading to NF-kappaB transactivation.
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