

Human COMM domain containing protein 1 (COMMD1) ELISA Kit | COMMD1 elisa kit

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CATALOG #
AAA245393

REACTIVITY
Human

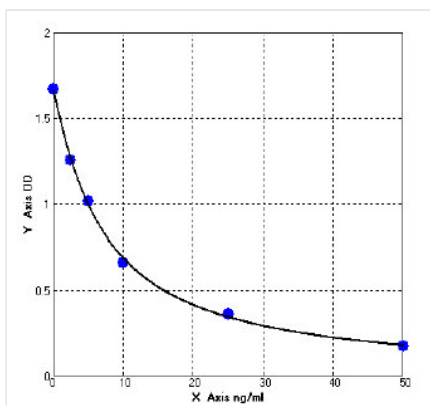
PRODUCT SYNONYMS

COMM domain containing protein 1 (COMMD1); Human COMM domain containing protein 1 (COMMD1) ELISA Kit; COMMD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COMMD1. No significant cross-reactivity or interference between COMMD1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COMMD1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COMMD1 elisa kit	Intended Uses: This COMMD1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human COMMD1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: COMMD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-COMMD1 antibody and an COMMD1-HRP conjugate. The assay sample and buffer are incubated together with COMMD1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the COMMD1 concentration since COMMD1 from samples and COMMD1-HRP conjugate compete for the anti-COMMD1 antibody binding site. Since the number of sites is limited, as more sites are occupied by COMMD1 from the sample, fewer sites are left to bind COMMD1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COMMD1 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22749079
NCBI GeneID	150684
NCBI Accession #	NP_689729.1
NCBI GenBank Nucleotide #	NM_152516.2
Molecular Weight	17,665 Da
NCBI Official Full Name	COMM domain-containing protein 1
NCBI Official Synonym Full Names	copper metabolism (Murr1) domain containing 1
NCBI Official Symbol	COMMD1
NCBI Official Synonym Symbols	MURR1; C2orf5
NCBI Protein Information	COMM domain-containing protein 1; protein Murr1; copper metabolism gene MURR1
UniProt Protein Name	COMM domain-containing protein 1
UniProt Gene Name	COMMD1
UniProt Synonym Gene Names	C2orf5; MURR1
UniProt Entry Name	COMD1_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/comm-domain-containing-protein-1-commmd1/245393>