

Human Colicin ELISA Kit | Colicin elisa kit

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CATALOG #
AAA87779

REACTIVITY
Human

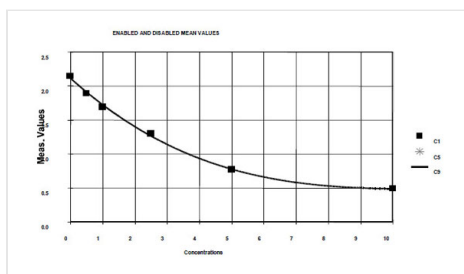
PRODUCT SYNONYMS

Colicin; Human Colicin ELISA Kit; Colicin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Colicin elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This COLICIN ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of COLICIN in the sample, this COLICIN ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus COLICIN concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of COLICIN utilizes a multiclonal anti-COLICIN antibody and an COLICIN-HRP conjugate. The assay sample and buffer are incubated together with COLICIN-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 COLICIN concentration since COLICIN from samples and COLICIN-HRP conjugate compete for the anti-COLICIN antibody binding site. Since the number of sites is limited, as more sites are occupied by COLICIN from the sample, fewer sites are left to bind COLICIN-HRP conjugate. Standards of known COLICIN concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of COLICIN. The COLICIN concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	190410162
NCBI GeneID	6383669
NCBI Accession #	YP_001966152.1
NCBI GenBank Nucleotide #	NC_010883.1
Molecular Weight	61,572 Da
NCBI Official Full Name	colicin
NCBI Official Symbol	ceaB
NCBI Protein Information	colicin
UniProt Protein Name	Colicin
UniProt Gene Name	ceaB
UniProt Entry Name	Q06B27_ECOLX

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://www.aaabiotech.com/human-elisa-kits/colicin/87779>