Human Cancer/testis antigen family 45 member A1 (CT45A1) ELISA Kit | CT45A1 elisa kit

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CATALOG #	REACTIVITY
AAA245377	**Human**

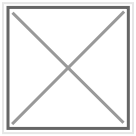
PRODUCT SYNONYMS

Cancer/testis antigen family 45 member A1 (CT45A1); Human Cancer/testis antigen family 45 member A1 (CT45A1) ELISA Kit; CT45A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CT45A1 elisa kit	Intended Uses: This CT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat CT. This ELISA kit for research use only! Principle of the Assay: CT ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CT antibody and an CT-HRP conjugate. The assay sample and buffer are incubated together with CT-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 CT concentration since CT from samples and CT-HRP conjugate compete for the anti-CT antibody binding site. Since the number of sites is limited, as more sites are occupied by CT from the sample, fewer sites are left to bind CT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CT concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CT45A1 elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	62899069
NCBI GeneID	541466
NCBI Accession #	NP_001017417.1

NCBI GenBank Nucleotide #	NM_001017417.2
Molecular Weight	21,273 Da
NCBI Official Full Name	cancer/testis antigen family 45 member A1
NCBI Official Synonym Full Names	cancer/testis antigen family 45, member A1
NCBI Official Symbol	CT45A1
NCBI Official Synonym Symbols	CT45; CT45-1; CT45.1
NCBI Protein Information	cancer/testis antigen family 45 member A1; cancer/testis antigen 45-1; cancer/testis antigen 45A1; cancer/testis antigen CT45-1
UniProt Protein Name	Cancer/testis antigen family 45 member A1
UniProt Gene Name	**CT45A1**
UniProt Synonym Gene Names	CT45-1
UniProt Entry Name	CT451_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/cancer-testis-antigen-family-45-member-a1-ct45a1/245377