

Human Cancer/testis antigen family 45 member A5 (CT45A5) ELISA Kit | CT45A5 elisa kit

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CATALOG #
AAA246641

REACTIVITY
Human

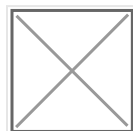
PRODUCT SYNONYMS

Cancer/testis antigen family 45 member A5 (CT45A5); Human Cancer/testis antigen family 45 member A5 (CT45A5) ELISA Kit; CT45A5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CT45A5. No significant cross-reactivity or interference between CT45A5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CT45A5 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 CT45A5 elisa kit

Principle of the Assay: CT45A5 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CT45A5 antibody and an CT45A5-HRP conjugate. The assay sample and buffer are incubated together with CT45A5-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 CT45A5 concentration since CT45A5 from samples and CT45A5-HRP conjugate compete for the anti-CT45A5 antibody binding site. Since the number of sites is limited, as more sites are occupied by CT45A5 from the sample, fewer sites are left to bind CT45A5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CT45A5 concentration in each sample is interpolated from this standard curve.

Intended Uses: This CT45A5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CT45A5. This ELISA kit for research use only, not for therapeutic or test applications!

Product Categories/Family for CT45A5 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	614458143
NCBI GeneID	441521
NCBI Accession #	NP_001165759.2
NCBI GenBank Nucleotide #	NM_001172288.2
Molecular Weight	21,145 Da
NCBI Official Full Name	cancer/testis antigen family 45 member A5
NCBI Official Synonym Full Names	cancer/testis antigen family 45, member A5
NCBI Official Symbol	CT45A5
NCBI Official Synonym Symbols	CT455; CT45.5
NCBI Protein Information	cancer/testis antigen family 45 member A5; cancer/testis antigen 45-5; cancer/testis antigen 45A5; cancer/testis antigen CT45-5
UniProt Protein Name	Cancer/testis antigen family 45 member A5
UniProt Gene Name	CT45A5
UniProt Synonym Gene Names	CT45-5
UniProt Entry Name	CT455_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-a5-ct45a5/246641>