

Human Cancer/testis antigen 2 (CTAG2) ELISA Kit | CTAG2 elisa kit

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CATALOG #
AAA244345

REACTIVITY
Human

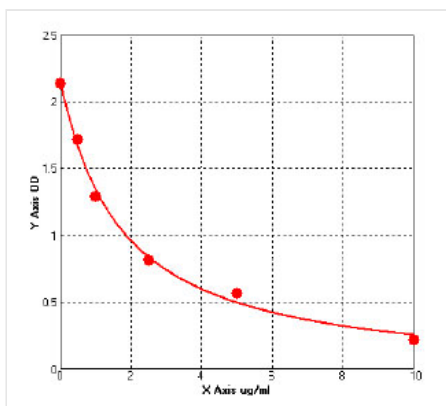
PRODUCT SYNONYMS

Cancer/testis antigen 2 (CTAG2); Human Cancer/testis antigen 2 (CTAG2) ELISA Kit; CTAG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CTAG2. No significant cross-reactivity or interference between CTAG2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CTAG2 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 CTAG2 elisa kit	Principle of the Assay: CTAG2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CTAG2 antibody and an CTAG2-HRP conjugate. The assay sample and buffer are incubated together with CTAG2-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 CTAG2 concentration since CTAG2 from samples and CTAG2-HRP conjugate compete for the anti-CTAG2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CTAG2 from the sample, fewer sites are left to bind CTAG2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTAG2 concentration in each sample is interpolated from this standard curve. Intended Uses: This CTAG2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CTAG2. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CTAG2 elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	543583752
NCBI GeneID	30848
NCBI Accession #	NP_066274.2
NCBI GenBank Nucleotide #	NM_020994.4
Molecular Weight	18,237 Da
NCBI Official Full Name	cancer/testis antigen 2 isoform LAGE-1b
NCBI Official Synonym Full Names	cancer/testis antigen 2
NCBI Official Symbol	CTAG2
NCBI Official Synonym Symbols	CT2; ESO2; CAMEL; CT6.2; CT6.2a; CT6.2b; LAGE-1; LAGE2B
NCBI Protein Information	cancer/testis antigen 2; LAGE-1a protein; cancer/testis antigen 6.2; I antigen family member 1; CTL-recognized antigen on melanoma; cancer/testis antigen family 6, member 2a; cancer/testis antigen family 6, member 2b; autoimmunogenic cancer/testis antigen NY-ESO-2
UniProt Protein Name	Cancer/testis antigen 2
UniProt Gene Name	CTAG2
UniProt Synonym Gene Names	ESO2; LAGE1; CT2; CT6.2; LAGE-1
UniProt Entry Name	CTAG2_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-2-ctag2/244345>