

Human Cancer/testis antigen 1 (CTAG1A) ELISA Kit | CTAG1A elisa kit

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CATALOG #
AAA245092

REACTIVITY
Human

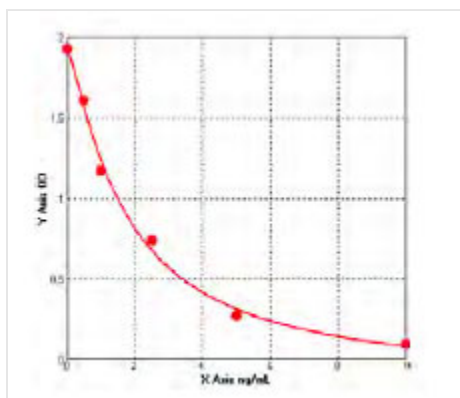
PRODUCT SYNONYMS

Cancer/testis antigen 1 (CTAG1A); Human Cancer/testis antigen 1 (CTAG1A) ELISA Kit; CTAG1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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 CTAG1A elisa kit

Intended Uses: This CTAG1A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CTAG1A. This ELISA kit for research use only!

Principle of the Assay: CTAG1A ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CTAG1A antibody and an CTAG1A-HRP conjugate. The assay sample and buffer are incubated together with CTAG1A-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 CTAG1A concentration since CTAG1A from samples and CTAG1A-HRP conjugate compete for the anti-CTAG1A antibody binding site. Since the number of sites is limited, as more sites are occupied by CTAG1A from the sample, fewer sites are left to bind CTAG1A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTAG1A concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CTAG1A elisa kit	Cancer
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503119
NCBI GeneID	1485
NCBI Accession #	NP_001318.1
NCBI GenBank Nucleotide #	NM_001327.2
Molecular Weight	16,192 Da
NCBI Official Full Name	cancer/testis antigen 1
NCBI Official Synonym Full Names	cancer/testis antigen 1B
NCBI Official Symbol	CTAG1B
NCBI Official Synonym Symbols	CTAG; ESO1; CT6.1; CTAG1; LAGE-2; LAGE2B; NY-ESO-1
NCBI Protein Information	cancer/testis antigen 1; cancer antigen 3; cancer/testis antigen 6.1; I antigen family member 2; New York esophageal squamous cell carcinoma 1; autoimmunogenic cancer/testis antigen NY-ESO-1
UniProt Protein Name	Cancer/testis antigen 1
UniProt Gene Name	CTAG1A
UniProt Synonym Gene Names	CTAG; CTAG1; ESO1; LAGE2; LAGE2A CTAG1B; LAGE2B; CT6.1; LAGE-2
UniProt Entry Name	CTG1B_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-1-ctag1a/245092>