

Chicken Cytotoxic and regulatory T-cell molecule (CRTAM) ELISA Kit | CRTAM elisa kit

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CATALOG #
AAA246307

REACTIVITY
Chicken

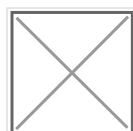
PRODUCT SYNONYMS

Cytotoxic and regulatory T-cell molecule (CRTAM); Chicken Cytotoxic and regulatory T-cell molecule (CRTAM) ELISA Kit; CRTAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of CRTAM. No significant cross-reactivity or interference between CRTAM and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CRTAM and all the analogues, therefore, cross reaction may still exist in some cases.
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 CRTAM elisa kit

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

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

NCBI AND UNIPROT INFORMATION

NCBI GI #

[51593098](#)

NCBI GeneID	56253
NCBI Accession #	NP_062550.2
NCBI GenBank Nucleotide #	NM_019604.2
Molecular Weight	22,256 Da
NCBI Official Full Name	cytotoxic and regulatory T-cell molecule
NCBI Official Synonym Full Names	cytotoxic and regulatory T cell molecule
NCBI Official Symbol	CRTAM
NCBI Official Synonym Symbols	CD355
NCBI Protein Information	cytotoxic and regulatory T-cell molecule; class I MHC restricted T cell associated molecule; class-I MHC-restricted T cell associated molecule; class-I MHC-restricted T-cell-associated molecule
UniProt Protein Name	Cytotoxic and regulatory T-cell molecule
UniProt Gene Name	CRTAM
UniProt Entry Name	CRTAM_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/chicken-elisa-kits/cytotoxic-and-regulatory-t-cell-molecule-crtam/246307>