

Human Inducible T cell Costimulator ELISA Kit | CD278/ICOS elisa kit

Human Inducible T cell Costimulator ELISA Kit

CATALOG #
AAA94914

REACTIVITY
Human

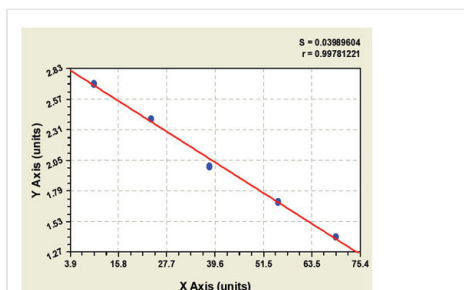
PRODUCT SYNONYMS

Inducible T cell Costimulator; Human Inducible T cell Costimulator ELISA Kit; CD278/ICOS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	25-500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This ICOS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ICOS. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD278/ICOS elisa kit

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

Product Categories/Family for CD278/ICOS elisa kit	Immunology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15029518
NCBI GeneID	29851
NCBI Accession #	NP_036224.1
NCBI GenBank Nucleotide #	NM_012092.3
Molecular Weight	19,127 Da
NCBI Official Full Name	inducible T-cell costimulator
NCBI Official Synonym Full Names	inducible T-cell co-stimulator
NCBI Official Symbol	ICOS
NCBI Official Synonym Symbols	AILIM; CD278; CVID1
NCBI Protein Information	inducible T-cell costimulator; inducible costimulator; activation-inducible lymphocyte immunomediatory molecule
UniProt Protein Name	Inducible T-cell costimulator
UniProt Gene Name	ICOS
UniProt Synonym Gene Names	AILIM
UniProt Entry Name	ICOS_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/cd278-icos-human-elisa-kits/inducible-t-cell-costimulator/94914>