

ICOS elisa kit

Human ICOS PicoKine ELISA Kit

CATALOG # AAA124837	REACTIVITY Human There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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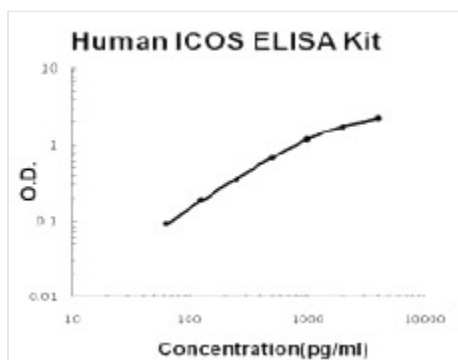
PRODUCT SYNONYMS

ICOS; Human ICOS PicoKine ELISA Kit; Inducible T-cell costimulator; Activation-inducible lymphocyte immunomediatory molecule; CD278; AILIM; ICOS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human ICOS
Sequence Length	168
Assay Type	Quantitative Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<2pg/ml
Applicable Applications for ICOS elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ICOS elisa kit	Principle of the Assay: Human ICOS ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for ICOS has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: E21-F141) and test samples are added to the wells, a biotinylated detection biotinylated polyclonal antibody from goat specific for ICOS is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human ICOS amount of sample captured in plate. Background: Inducible T-cell costimulator is an immune checkpoint protein that in humans is encoded by the ICOS gene. The protein encoded by this gene belongs to the CD28 and CTLA-4 cell-surface receptor family. It forms homodimers and plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation.
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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
UniProt Accession #	Q9Y6W8; Q8N6W8
Molecular Weight	19,127 Da
NCBI Official Full Name	inducible T-cell costimulator
NCBI Official Synonym Full Names	inducible T cell costimulator
NCBI Official Symbol	ICOS
NCBI Official Synonym Symbols	AILIM; CD278; CVID1
NCBI Protein Information	inducible T-cell costimulator
UniProt Protein Name	Inducible T-cell costimulator
UniProt Gene Name	ICOS
UniProt Synonym Gene Names	AILIM

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/icos/124837>