

Human CD70 antigen (CD70) ELISA Kit | CD70 elisa kit

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CATALOG #
AAA246776

REACTIVITY
Human

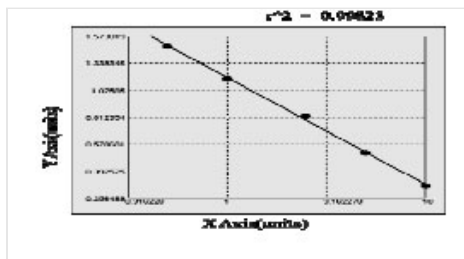
PRODUCT SYNONYMS

CD70 antigen (CD70); Human CD70 antigen (CD70) ELISA Kit; CD70 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/ml,
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 CD70 elisa kit

Intended Uses: This CD70 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CD70. This ELISA kit for research use only!

Principle of the Assay||CD70 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD70 antibody and an CD70-HRP conjugate. The assay sample and buffer are incubated together with CD70-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 CD70 concentration since CD70 from samples and CD70-HRP conjugate compete for the anti-CD70 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD70 from the sample, fewer sites are left to bind CD70-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD70 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CD70 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507605
NCBI GeneID	970
NCBI Accession #	NP_001243.1
NCBI GenBank Nucleotide #	NM_001252.4
Molecular Weight	21,118 Da
NCBI Official Full Name	CD70 antigen
NCBI Official Synonym Full Names	CD70 molecule
NCBI Official Symbol	CD70
NCBI Official Synonym Symbols	CD27L; CD27LG; TNFSF7
NCBI Protein Information	CD70 antigen; CD27-L; CD27 ligand; Ki-24 antigen; surface antigen CD70; tumor necrosis factor ligand superfamily member 7; tumor necrosis factor (ligand) superfamily, member 7
UniProt Protein Name	CD70 antigen
UniProt Gene Name	CD70
UniProt Synonym Gene Names	CD27L; CD27LG; TNFSF7; CD27-L
UniProt Entry Name	CD70_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/cd70-antigen-cd70/246776>