

Human CD28 ELISA Kit | CD28 elisa kit

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CATALOG #
AAA263027

REACTIVITY
Human

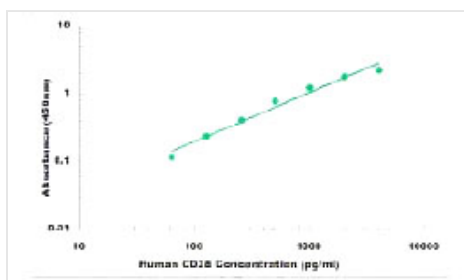
PRODUCT SYNONYMS

CD28; Human CD28 ELISA Kit; T-cell-specific surface glycoprotein CD28; TP44; CD28 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CD28 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD28 proteins within the range of 62.5 pg/ml - 4000 pg/ml.
Sequence Length	123
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<12 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD28 elisa kit

Principle of the Assay: The Human CD28 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD28 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human CD28 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD28 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD28 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD28 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: CD28 (Cluster of Differentiation 28) is one of the proteins expressed on T cells that provide co-stimulatory signals required for T cell activation and survival. T cell stimulation through CD28 in addition to the T-cell receptor (TCR) can provide a potent signal for the production of various interleukins (IL-6 in particular). The CD28 gene is mapped to 2q33-q34. CD28 and CTLA-4, together with their ligands, B7-1 and B7-2, constitute one of the dominant costimulatory pathways that regulate T and B cell responses. CD28 and CTLA-4 are structurally homologous molecules that are members of the immunoglobulin (Ig) gene superfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	340545508
NCBI GeneID	940
NCBI Accession #	NP_001230006.1
NCBI GenBank Nucleotide #	NM_001243077.1
UniProt Accession #	P10747; Q13964; Q52M23; Q70WG0; Q8NI54; Q8NI55; Q8NI56; Q8WXJ2; Q9BYV0; A8KAC1
Molecular Weight	26,186 Da
NCBI Official Full Name	T-cell-specific surface glycoprotein CD28 isoform 2
NCBI Official Synonym Full Names	CD28 molecule
NCBI Official Symbol	CD28
NCBI Official Synonym Symbols	Tp44
NCBI Protein Information	T-cell-specific surface glycoprotein CD28
UniProt Protein Name	T-cell-specific surface glycoprotein CD28
UniProt Gene Name	CD28
UniProt Entry Name	CD28_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/cd28/263027>