

Human CD28 (Cluster Of Differentiation 28) ELISA Kit | CD28 elisa kit

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CATALOG #
AAA277888

REACTIVITY
Human

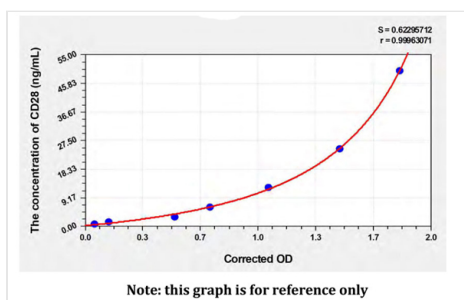
PRODUCT SYNONYMS

CD28 (Cluster Of Differentiation 28); Human CD28 (Cluster Of Differentiation 28) ELISA Kit; Tp44; CD28 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CD28. No significant cross-reactivity or interference between Human CD28 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.78-50 ng/mL
Sensitivity	0.32 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD28 elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human CD28. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human CD28. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Human CD28, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Human CD28 in the samples is then determined by comparing the OD of the samples to the standard curve.

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; Q8NI54; Q8NI55; Q8NI56; Q8WXJ2; Q9BYV0; A8KAC1
Molecular Weight	25,066 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; CD28 antigen
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-cluster-of-differentiation-28/277888>