

Datasheet for ABIN5510635

CD28 ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	96 tests
Target:	CD28
Binding Specificity:	AA 19-152
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human CD28
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: N19-P152
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Expressed in T-cells and plasma cells, but not in less mature B-cells.

Target Details

Target:	CD28
Alternative Name:	CD28 (CD28 Products)

Target Details

Background:	<p>Protein Function: Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival. Enhances the production of IL4 and IL10 in T-cells in conjunction with TCR/CD3 ligation and CD40L costimulation (PubMed:8617933). Isoform 3 enhances CD40L-mediated activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells (PubMed:15067037). .</p> <p>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.</p> <p>Synonyms: T-cell-specific surface glycoprotein CD28,TP44,CD28,CD28,</p> <p>Full Gene Name: T-cell-specific surface glycoprotein CD28</p> <p>Cellular Localisation: Membrane, Single-pass type I membrane protein.</p>
-------------	--

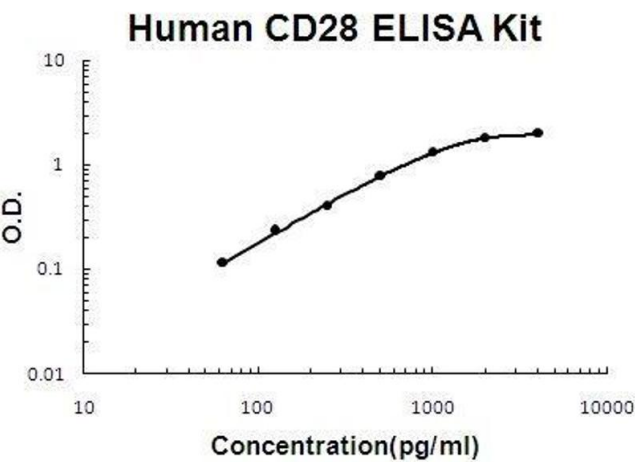
UniProt:	P10747
Pathways:	TCR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months



ELISA

Image 1. Human CD28 PicoKine ELISA Kit standard curve