

Human CD80 molecule ELISA Kit | CD80 elisa kit

Human Soluble Cluster of Differentiation 80, sCD80 ELISA Kit

CATALOG #
AAA80829

REACTIVITY
Human

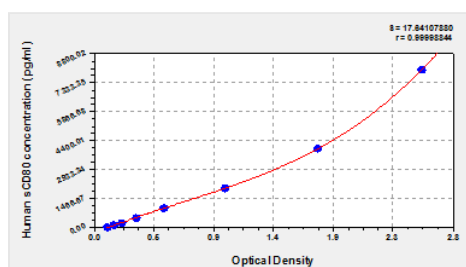
PRODUCT SYNONYMS

CD80 molecule; Human Soluble Cluster of Differentiation 80; sCD80 ELISA Kit; Human Soluble Cluster of Differentiation 80 (sCD80) ELISA Kit; CD28LG; CD28LG1; LAB7; B-lymphocyte activation antigen B7; CD80 antigen; CD80 antigen (CD28 antigen ligand 1; B7-1 antigen) ; costimulatory factor CD80; costimulatory molecule variant IgV-CD80; CD80 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human sCD80. No significant cross-reactivity or interference between human sCD80 and analogues was observed.
Sequence Length	288
Samples	Serum, plasma, cell culture supernates
Assay Type	Sandwich
Detection Range	125 pg/ml -8000 pg/ml.
Sensitivity	The minimum detectable dose of human sCD80 is typically less than 31.25 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD80 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for sCD80 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any sCD80 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for sCD80 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of sCD80 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885123
NCBI GeneID	941
NCBI Accession #	NP_005182.1
NCBI GenBank Nucleotide #	NM_005191.3
UniProt Accession #	P33681; Q5DTA9; Q5DTB0
Molecular Weight	33,048 Da
NCBI Official Full Name	T-lymphocyte activation antigen CD80
NCBI Official Synonym Full Names	CD80 molecule
NCBI Official Symbol	CD80
NCBI Official Synonym Symbols	B7; BB1; B7-1; B7.1; LAB7; CD28LG; CD28LG1
NCBI Protein Information	T-lymphocyte activation antigen CD80; activation B7-1 antigen; costimulatory factor CD80; CTLA-4 counter-receptor B7.1; B-lymphocyte activation antigen B7; costimulatory molecule variant IgV-CD80; CD80 antigen (CD28 antigen ligand 1, B7-1 antigen)
UniProt Protein Name	T-lymphocyte activation antigen CD80
UniProt Gene Name	CD80
UniProt Synonym Gene Names	CD28LG; CD28LG1; LAB7; B7
UniProt Entry Name	CD80_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://www.aaabiotech.com/human-elisa-kits/cd80-molecule/80829>