

Mouse CD86/B7-2 PicoKine ELISA Kit | Cd86 elisa kit

Mouse CD86/B7-2 PicoKine ELISA Kit

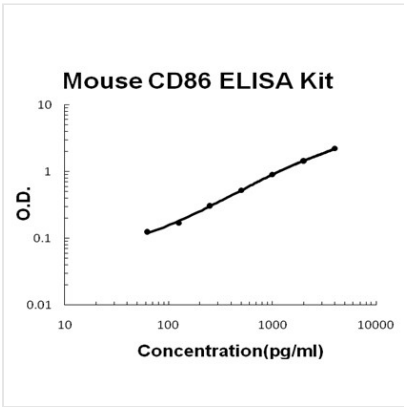
CATALOG # AAA46183	REACTIVITY Mouse
------------------------------	----------------------------

PRODUCT SYNONYMS

CD86/B7-2 PicoKine; Mouse CD86/B7-2 PicoKine ELISA Kit; T-lymphocyte activation antigen CD86; Activation B7 2 antigen; B7 2; B70; B72; BU63; CD28LG2; CD86 antigen (CD28 antigen ligand 2 B7 2 antigen); CD86 molecule; CTLA 4 counter receptor B7.2; FUN 1; FUN1; T lymphocyte activation antigen CD86 precursor; Cd86 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CD86
Sequence Length	309
Assay Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of mouse CD86 in cell culture supernates and serum.
Immunogen	NSO, V26-G245
Assay Procedure Step 1	Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse CD86 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates or serum to each empty well. It is recommended that each mouse CD86 standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(ng/ml) 0.21 1.44 2.59 0.23 1.47 2.46 Standard deviation 0.011 0.084 0.161 0.013 0.095 0.150 CV(%) 5.3 5.9 6.2 5.8 6.5 6.1
Sample Data	Concentration(pg/ml) 0 62.5 125 250 500 1000 2000 4000 O.D. 0.067 0.125 0.170 0.307 0.525 0.897 1.449 2.211
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse CD86/B7-2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Cd86 elisa kit	Principle of the assay: Mouse CD86 ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CD86 has been precoated onto 96-well plates. Standards (NSO, V26-G245) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD86 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex is added and unbound conjugates are washed away with PBS or TBS buffer. HRP substrate TMB are used to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse CD86 amount of sample captured in plate. Background: Cluster of Differentiation 86 (also known as CD86 and B7-2) is a protein expressed on antigen-presenting cells that provides costimulatory signals necessary for T cell activation and survival. The CD86 gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. Using fluorescence in situ hybridization mapping, the CD86, like CD80, was mapped to human 3q21 and mouse chromosome 16, band B5. The antigen presentation coactivators B71 and B72, which are important in other immune-mediated thyroid diseases, are important for lymphocytic infiltration and the immune response against thyroid carcinoma.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	161484599
NCBI GeneID	12524
NCBI Accession #	NP_062261.3
NCBI GenBank Nucleotide #	NM_019388.3
UniProt Accession #	P42082
Molecular Weight	33,962 Da
NCBI Official Full Name	T-lymphocyte activation antigen CD86
NCBI Official Synonym Full Names	CD86 antigen
NCBI Official Symbol	Cd86
NCBI Official Synonym Symbols	B7; B70; MB7; B7-2; B7.2; CLS1; Ly58; ETC-1; Ly-58; MB7-2; Cd28l2; TS/A-2
NCBI Protein Information	T-lymphocyte activation antigen CD86
UniProt Protein Name	T-lymphocyte activation antigen CD86
UniProt Gene Name	Cd86

UniProt Synonym Gene Names	ETC-1
UniProt Entry Name	CD86_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/cd86-b7-2-picokine/46183>