

Rat CD86/B7-2 ELISA Kit | CD86 elisa kit

Rat CD86/B7-2 PicoKine ELISA Kit

CATALOG #
AAA45528

REACTIVITY
Rat

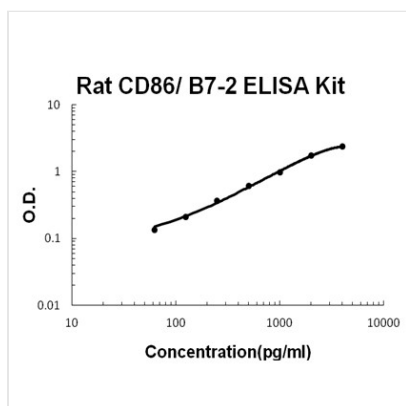
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat CD86
Sequence Length	149
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Rat CD86/B7-2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD86 elisa kit	Principle of the assay: Rat CD86 ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CD86 has been precoated onto 96-well plates. Standards(NSO, V29-I250) 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 rat 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	81863176
NCBI GeneID	56822
UniProt Accession #	Q62810
Molecular Weight	17,153 Da
NCBI Official Full Name	B7-2
NCBI Official Synonym Full Names	CD86 molecule
NCBI Official Symbol	Cd86
NCBI Official Synonym Symbols	B7-2
NCBI Protein Information	T-lymphocyte activation antigen CD86; cd86 antigen; membrane glycoprotein
UniProt Protein Name	B7-2
UniProt Gene Name	Cd86
UniProt Entry Name	Q62810_RAT

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.