

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

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CATALOG #
AAA258497

REACTIVITY
Rat

PRODUCT SYNONYMS

CD86/B7-2; Rat CD86/B7-2 ELISA Kit; CD86 ELISA Kit; Rat; CD86 antigen; CD86/B7-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The kit has been verified by high purity Rat CD86/B7-2 recombinant protein.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Recombinant protein
Detection Range	7.8-500pg/mL
Sensitivity	4.4pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

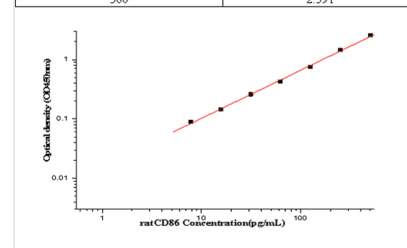
IMAGES

Recombinant human			
B7-H2	B7-H3	B7H4	CD86
Src	Rac1	Tlr4	Lck
CD86	CD28	CD80	
Recombinant mouse			
B7			

Application Data

This assay recognizes recombinant rat CD86. The factors listed above were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
7.81	0.090
15.63	0.144
31.25	0.259
62.5	0.427
125	0.743
250	1.436
500	2.591



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for CD86/B7-2 elisa kit	This CD86 ELISA Kit, Rat is an enzyme-linked immunosorbent assay for the quantitative measurement of Rat CD86 protein in Recombinant protein. It contains recombinant Rat CD86, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: CD86, also known as B-lymphocyte activation antigen B7-2 (referred to as B70), is a member of the cell surface immunoglobulin superfamily. B7-2 exists predominantly as a monomer on cell surfaces and interacts with two co-stimulatory receptors CD28 and cytotoxic T lymphocyte-associated antigen 4 (CTLA-4) expressed on T cells, and thus induces the signal pathways which regulate T cell activation and tolerance, cytokine production, and the generation of CTL. It is indicated that contacts between B and T helper cells mediated by CD86 encourage signals for the proliferation and IgG secretion of normal B cells and B cell lymphomas. A recent study has revealed that CD86 also promotes the generation of a mature APC repertoire and promotes APC function and survival. CD86 has an important role in chronic hemodialysis, allergic pulmonary inflammation, arthritis, and antiviral responses, and thus is regarded as a promising candidate for immune therapy.
References	Chen YQ, et al. (2006) CD28/CTLA-4--CD80/CD86 and ICOS--B7RP-1 costimulatory pathway in bronchial asthma. Allergy. 61(1): 15-26.Rau FC, et al. (2009) B7-1/2 (CD80/CD86) direct signaling to B cells enhances IgG secretion. J Immunol. 183(12): 7661-71.Dai ZS, et al. (2009) Defective expression and modulation of B7-2/CD86 on B cells in B cell chronic lymphocytic leukemia. Int J Hematol. 89(5): 656-63.

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/rat-elisa-kits/cd86-b7-2/258497>