

CD83 elisa pair set

CD83 Matched ELISA Antibody Pair Set, Human

CATALOG #
AAA257390

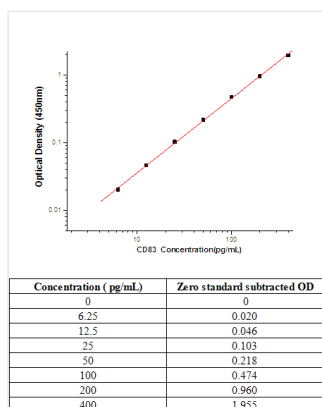
PRODUCT SYNONYMS

CD83; CD83 Matched ELISA Antibody Pair Set; Human; Human CD83 ELISA Pair Set; CD83 molecule; BL11 Matched ELISA Antibody Pair Set; HB15 Matched ELISA Antibody Pair Set; CD83 elisa pair set

PRODUCT SPECIFICATIONS

Specificity	Quantitative determination of Human CD83
Assay Type	Solid Phase Sandwich ELISA
Detection Range	6.25-400pg/mL
Sensitivity	6.25pg/ml
Materials Provided	- Capture Antibody 0.5 mg/mL of mouse anti-Human CD83 monoclonal antibody (in PBS, pH 7.4). Dilute to a working concentration of 2ug/mL in PBS before coating. - Detection Antibody 0.2 mg/mL of mouse anti-Human CD83 monoclonal antibody conjugated to horseradish-peroxidase (HRP) (in PBS, 50 % HRP-Protector, pH 7.4, store at 4 degree C). Dilute to working concentration of 0.5ug/mL in detection antibody dilution buffer before use. - Standard Each vial contains 13 ng of recombinant Human CD83. Reconstitute with 1 mL detection antibody dilution buffer. After reconstitution, store at -20 degree C to -80 degree C in a manual defrost freezer. A seven-point standard curve using 2-fold serial dilutions in sample dilution buffer, and a high standard of 400 pg/mL is recommended.
Preparation and Storage	Capture Antibody: Aliquot and store at -20 degree C to -80 degree C for up to 6 months from date of receipt. Avoid repeated freeze-thaw cycles. Detection Antibody: Store at 4 degree C and protect it from prolonged exposure to light for up to 6 months from date of receipt. DO NOT FREEZE! Standard: Store lyophilized standard at -20 degree C to -80 degree C for up to 6 months from date of receipt. Aliquot and store the reconstituted Standard at -80 degree C for up to 1 month. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for CD83 elisa pair set	The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD83 is considered as a marker of mature dendritic cells as well as an adhesion receptor that binds to resting monocytes and a subset of activated CD8+ T cells. In certain conditions, CD83 tended to dimerize or even multimerize through its aberrant intermolecular disulfide bonds. The injection of CD83-Ig can significantly enhance the rate of tumor growth and inhibit the T cell growth. This CD83 Matched ELISA Antibody Pair Set, Human is a solid phase sandwich ELISA for quantitative determination of Human CD83. It contains Human CD83 capture antibody, Human CD83 detector antibody (HRP) and a highly purified HEK293-expressed recombinant Human CD83 protein.
References	Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5.Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35.Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters.134 (2): 104-12Scholler N, et al.(2002) Cutting Edge: CD83 Regulates the Development of Cellular Immunity. The Journal of Immunology. 168 (6): 2599-602.Lechmann M, et al.(2002) CD83 on dendritic cells: more than just a marker for maturation. Trends in immunology. 23(6): 273-5.

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/elisa-pair-set/cd83/257390>