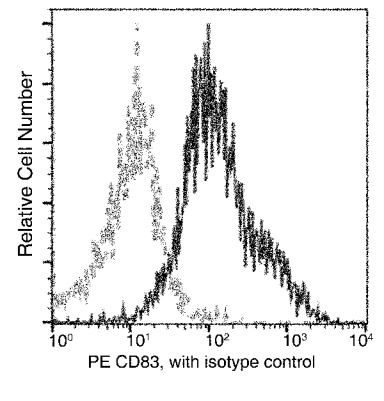
CD83 Antibody – Rabbit Monoclonal

PRODUCT OVERVIEW

Product Name	CD83, Monoclonal Antibody
Full Product Name	Recombinant Anti-CD83 Antibody (PE), Rabbit Monoclonal
Product Gene Name	anti-CD83 antibody
Product Synonym Names	CD83/HB15 Antibody (PE), Rabbit MAb; CD83 molecule
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	101
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid. Aqueous solution containing 0.5% BSA and 0.03% ProClin300
Purity/Purification	Protein A
Concentration	5ul/Test, 0.1mg/ml (lot specific)
Specificity	Mouse CD83/HB15
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Matching Pairs	Antibody: CD83 Clone #101 (MBS8119577) Antigen: CD83 (MBS8122919)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse CD83/HB15 Protein
Conjugation	PE
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse CD83/HB15 (rM CD83/HB15; O88324; Met1-Arg133) and conjugated with PE under optimum conditions, the unreacted PE was removed.
Applications Tested/Suitable for anti-CD83 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD83 antibody	Background: 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.

Product References and Citations for anti-CD83 antibody	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.
Other Notes	Small volumes of anti-CD83 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD83 purchase	MBS8119577 is an antibody targeting CD83. Also known as Recombinant Anti-CD83 Antibody (PE), Rabbit Monoclonal. Reactive in Mouse. Host: Rabbit.



Flow Cytometry (FC/FACS) of anti-CD83 antibody
Flow cytometric analysis of Mouse CD83 expression on LPS-stimulated BABL/c splenocytes. Cells were stained with PE-conjugated anti-Mouse CD83. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD83. It may not necessarily be applicable to this product.

Protein Family	CD83 antigen
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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