
CD83 Rabbit pAb

Catalog Number: bs-4826R

Target Protein: CD83

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: Flow-Cyt (3ug/Test)

Reactivity: Human (predicted:Mouse, Rat)

Predicted MW: 21 kDa

Entrez Gene: 9308

Swiss Prot: Q01151

Source: KLH conjugated synthetic peptide derived from human CD83: 32-100/205.

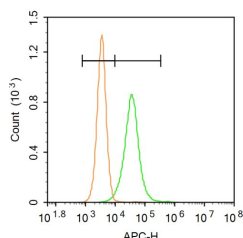
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The CD83 antigen is a 186 amino acid single chain glycoprotein. This molecule is a member of the immunoglobulin superfamily and is composed of an extracellular V type immunoglobulin-like single domain, a transmembrane region, and a short, 40 amino acid cytoplasmic tail. CD83 antigen undergoes extensive post translational glycosylation, as the determined Mr is twice the predicted size of the core protein. However, CD83+ cells have a unique cell surface immunophenotype that does not correlate with that of T cells, B cells, NK cells, or cells of the myelomonocytic lineage. CD83+ cells coexpress the highest levels of MHC class II molecules, when compared with other leucocyte lineages. They also coexpress T cell markers (CD2, CD5), B cell markers (CD40, CD78), myeloid cell markers (CD13, CD33, CD36) and cytokine receptors, as well as other cell surface molecules.

VALIDATION IMAGES



Blank control: A431. Primary Antibody (green line): Rabbit Anti-CD83 antibody (bs-4826R) Dilution: $3\mu\text{g} / 10^6$ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: $3\mu\text{g} / \text{test}$. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.203] Huang J et al. E6-regulated overproduction of prostaglandin E2 may inhibit migration of dendritic cells in human papillomavirus 16-positive cervical lesions. International Journal of Oncology 56, no. 4 (2020): 921-931. IHC ; Human . doi:10.3892/ijo.2020.4983

[IF=2.485] Ju et al. An effective cytokine adjuvant vaccine induces autologous T-cell response against colon cancer in an animal model. (2016) BMC.Immunol. 17:31 IHC ; Mouse . 27669687

[IF=2.029] Jian Zheng. et al. Higher CD1a Levels Correlate with PD-L1 Expression and Predict Worse Overall Survival in Triple-Negative Breast Carcinoma. Breast Care. ;:1-9 IHC ; Human . 10.1159/000513502