

Anti-Hu CD83 Purified Monoclonal Antibody

Catalog Number: M01777

About CD83

CD83 is a 40-45 kDa heavily glycosylated type I cell surface glycoprotein of immunoglobulin family. It is expressed on the surface of mature dendritic cells, Langerhans cells in the skin, and interdigitating reticulum cells in the lymphoid tissues. Low expression of CD83 has been reported in activated T and B cells. Cytoplasmic expression of CD83 can be detected also in monocytes and macrophages. CD83 is involved in modulation of antigen presentation. Soluble CD83 has immunoregulatory functions, it is able to down-regulate dendritic cell maturation and stimulation of T cells. In the developing immune system, release of soluble CD83 from dendritic cells upon stimulation by gram-positive or gram-negative bacteria has anti-allergic effect. Herpes simplex virus, on the other hand, causes CD83 degradation in mature dendritic cells.

Overview

Product Name	Anti-Hu CD83 Purified Monoclonal Antibody
Reactive Species	Human, Primate
Description	Boster Bio Anti-Hu CD83 Purified Monoclonal Antibody (Catalog# M01777). Tested in Flow Cytometry, IHC-F application(s). This antibody reacts with Human, Primate.
Application	Flow Cytometry, IHC-F
Clonality	Monoclonal HB15e
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q01151

Technical Details

Immunogen	Human CD83-transfected Cos cells. The mouse monoclonal antibody HB15e recognizes an extracellular epitope of CD83, a 40-45 kDa type I glycoprotein expressed on mature dendritic cells.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1 kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Flow cytometry: 1-4 µg/mL, Positive control: peripheral blood-derived dendritic cells.

Immunohistochemistry (frozen sections): acetone fixation.

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