



Monoclonal (mouse) Antibody to **CD83**

Technical Data sheet

Reagent Category

Monoclonal primary antibody to CD83

Antibody Formats Supplied

0.2 ml of anti CD83, Concentrate

PRODUCT# IMI17652E (Concentrate)

SOURCE: Cultured supernatant

IMMUNOGLOBULIN ISOTYPE: IgG1

IMMUNOGEN: Recombinant proteins corresponding to 124 amino acids of the N terminal of the CD83 molecule.

CLONE: 1H4b

REACTIVITY

CD83 belongs to the immunoglobulin superfamily and it is employed as a marker for mature and activated dendritic cells. These dendritic cells are present in skin, in peripheral blood and in T cells of lymphoid tissues. CD83 is also used as a marker for Hodgkin's lymphoma, Reed Sternberg cells and breast carcinoma.

This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections.

This antibody is compatible with formalin fixative as well as most commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Tonsil

STAINING PATTERN: Membrane/cytoplasmic staining

PRODUCT FORMATS, DILUTIONS and INCUBATION

Monoclonal anti CD83 mouse ascites antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.1% sodium azide. This antibody is available in:

0.2 ml Concentrate; For staining paraffin sections, dilute 1:20-1:40 for 10 min to 30 minute incubation for paraffin sections. For longer incubation time the working titer must be determined by the end user.

The titer for frozen sections are considerably higher (1:50-1:200) and it must be imperatively determined by the end user.

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SPECIAL USAGE GUIDANCE

Non required, however the use of Innovex- signal enhancing wash buffers for the rinsing steps in place of PBS or Tris buffers is highly recommended (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Alkaline-Phosphatase staining).

APPLICATIONS

This antibody is intended for use in immunolocalization of CD83 antigen in human by a variety of immunoassays such as Immunochemistry, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of CD83 antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human has been substantiated; other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR IN VITRO RESEARCH USE ONLY