



Monoclonal Antibody to **Anti-Human CD57, Natural Killer Cells**

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to CD57

PRODUCT# IMI16761E (Ready-To-Use)

PRODUCT# IMI16752E (Concentrate)

Antibody Formats Supplied

5 ml of anti CD57, Ready-To-Use

0.2 ml of anti CD57, Concentrate

SOURCE: Mouse ascites

IMMUNOGLOBULIN ISOTYPE: IgM

CLONE: NK-1

REACTIVITY

This antibody recognizes a 110k molecular weight antigen that is present on natural killer cells, this antigen is also present on neuroectodermal tumors, prostatic carcinomas and gastrointestinal carcinoma cells. 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 (see special usage guidance of this data sheet).

STAINING PATTERN: Membrane staining of NK cells and cytoplasmic staining of adenocarcinomas.

POSITIVE CONTROL TISSUE: Tonsil /Lymph node/prostate adenocarcinoma

Antibody FORMATS, DILUTIONS and INCUBATIONS

Monoclonal mouse anti CD57 antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% sodium azide. This antibody is available in:

5 ml of pre-titered, Ready-To-Use; Do not dilute. Incubate for 20-30 minutes when washing with Enhancing buffer. If washing with PBS or Tris buffer incubate for 40- 60 minutes.

0.2 ml Concentrate: The suggested starting dilution for 30 minute incubation is 1:50 for paraffin sections and 1:100 for frozen sections. The ultimate working dilution and incubation time must be determined by the end user for the incubation time and the secondary reagents employed.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q detection systems. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.

SPECIAL USAGE GUIDANCE

The use of Enhancing Wash Buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) is highly recommended when staining with this antibody. The use of signal-Enhancing wash buffers produce great staining even for weak or overfixed tissues in a single try and without repetitive procedures. They also further allow the user to cut primary incubation time and/or increase antibody dilution.

CONTINUED OVER



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APPLICATIONS

This antibody is intended for use in immunolocalization of CD57 antigens in human tissue by a variety of immunoassays such as Immunochemistry, ELISA, Immunoblotting and in immunofluorescence. In immunohistochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative and /or quantitative localization of CD57 antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human tissues of 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