



Monoclonal Antibody to Human CD103

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to CD103

Antibody Formats Supplied

0.2 ml of anti CD103, Concentrate

PRODUCT# IMI13152E (Concentrate)

SOURCE: Rabbit ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgG2a

CLONE: EPR4166

IMMUNOGEN: Purified human CD103

SPECIFICATIONS & REACTIVITY

Cd103 is a heterodimer consisting of a150 kd alpha chain and a 120kda beta chain. This purified anti cd103 stains all the various subsets of human intra-epithelial lymphocytes as well as 40% of lamina propria t cells, 30% mesenteric lymphoblasts and some lymphocytes other mucosea. This antibody labels less than 0.1% bone marrow cells and less than 0.7% pbl. This antibody is suitable for staining routinely **fixed, paraffin embedded** and frozen sections. It is also compatible with formalin fixed tissues and other commonly employed fixatives.

POSITIVE CONTROL TISSUE: Human intestinal lymphocytes

STAINING PATTERN: Cytoplasmic staining

PRODUCT FORMATS, DILUTIONS and INCUBATIONS

This affinity purified monoclonal rabbit antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% sodium azide.

0.2 ml of Concentrate, The starting dilution is 1:30 for 30-minute incubation for paraffin sections. However, for all concentrate antibodies the working dilution must be determined by the end user.

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

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SPECIAL USAGE GUIDANCE

No pre-treatment is necessary, however, for best staining results, the use of a Innovex signal-Enhancing Wash buffer is highly recommended when staining **formalin fixed paraffin** embedded sections. The use of **Innovex signal-Enhancing Wash** Buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing steps in between the incubation steps greatly enhances staining signals for antigenically weak tissues or for overfixed tissues. **Its use further eliminates the need for enzyme Pre-digestion, heat application** (retrieval procedure), **long incubation of primaries and repetitive procedures.**

APPLICATIONS

This antibody is intended for use in immunolocalization of CD103 proteins 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 of human or animal tissues for the purpose of qualitative localization of CD103 proteins. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITIES

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

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through the expiration date noted on the vial label and freeze at 20-70°C. Avoid multiple freeze-thaw cycles, which can greatly reduce antibody performance and stability.

IMPORTANT NOTE:

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

FOR IN VITRO RESEARCH USE ONLY