



Mouse Monoclonal Antibody to CD29

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to CD29

Antibody Formats Supplied

0.2 ml of anti CD29, Concentrate

PRODUCT# IMI15252E (Concentrate)

SOURCE: Mouse tissue culture supernatants

CLONE: 7F10

IMMUNOGEN: Fusion protein of the extracellular amino terminal

IMMUNOGLOBULIN ISOTYPE: IgG1

POSITIVE CONTROL TISSUE: Tonsil, lymphocytes

REACTIVITY

This mouse monoclonal antibody reacts with CD29, a B1 subunit of an integrin heterodimer. The B1 subunit along with several alpha subunits of integrin receptors are involved in binding extracellular matrix such as collagen, laminin and fibronectin. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and cytospin preparations.

This antibody is also compatible with formalin fixed tissues as well as other commonly used histological fixatives. This antibody is also applicable to a variety of immunoassays such as ELISA, Western blot and others.

STAINING PATTERN: Membrane staining

PRODUCT FORMATS, DILUTIONS and INCUBATIONS

This affinity purified CD29 mouse monoclonal mouse antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

0.2 ml of concentrate; suggested starting dilution for 30 minute incubation 1: 20 To 1:40 for paraffin sections, for frozen sections 1:100 or higher. The ultimate working dilution and incubation time must be determined by the end user for the method, secondary reagents and process employed.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT Staining 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.

CONTINUED OVER



SPECIAL USAGE GUIDANCE

No pre-treatment is necessary, however, for best staining results, **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 is **highly recommended**. The use of Innovex Signal Enhancing Wash buffers **amplifies staining signal, eliminates the need for enzyme digestion pre-treatment, heat application** (retrieval procedure). It also **shortens the incubation time for the primary antibodies without addition of any extra steps to immunostaining procedures**.

APPLICATIONS

This antibody is intended for use in immunolocalization of CD29 antigens in tissues by a variety of immunoassays such as Immunochemistry in human and animal tissues, 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 CD29 antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

APPROPRIATE NEGATIVE CONTROL SERA for staining negative control slide

Employ IgG1 isotype control Ready-to-use (Innovex product number NG904) in place of primary antibody when staining negative control slides. Observe the same incubation time for negative control isotype and primary antibody.

SPECIES REACTIVITY

This antibody reactivity with 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 the noted expiration date on the vial label.

IMPORTANT NOTE:

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

FOR LABORATORY USE ONLY