



Monoclonal Antibody to **CD 11a (integrin alpha 1), LFA-1**

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to CD11a

PRODUCT# IMI13561E (Ready-To-Use)

PRODUCT# IMI13552E (Concentrate)

Antibody Formats Supplied

5 ml of anti CD11a, Ready-To-Use

0.2 ml of anti CD11a, Concentrate

SOURCE: Mouse

CLONE: 38

IMMUNOGLOBULIN ISOTYPE: IgG2a

POSITIVE CONTROL TISSUE: Spleen

REACTIVITY

This antibody reacts with CD11a, a membrane glycoprotein with a molecular weight of 180 kD that is expressed on granulocytes, lymphocytes, monocytes and macrophages. This antibody can be used to study ICAM-1 binding, and cell-to-cell adhesion and cell mediated cytotoxicity. It can also be used for characterization of LFA-1 immunodeficiency. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and cytopsin cell preparations.

STAINING PATTERN: Membrane staining

PRODUCT FORMATS, DILUTION and INCUBATIONS

This affinity purified CD11a monoclonal affinity purified mouse ascites antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

5 ml pre-diluted, Ready-to-use, (do not dilute). Incubate for 30 minutes.

0.2 ml of concentrate; the working dilution and incubation time must be determined by the end user for the method and process employed. A starting dilution of 1:20-1:40 may be employed.

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.

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

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highly recommended for this antibody. . The use of Innovex Signal Enhancing Wash buffers **amplifies staining signal, eliminates the need for enzyme digestion pre treatment, heat application** (retrieval procedure) **and shortens the incubation time for the primaries antibodies without addition of any extra steps to immunostaining procedures.**

APPLICATIONS

This antibody is intended for use in immunolocalization of CD11a 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 CD11a 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 purified normal mouse sera free of immunoglobulin, concentration at 1-5ug/ml in place of primary antibody when staining negative control slides for this antibody. Observe the same incubation time for negative control sera and the 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 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