



Monoclonal Antibodies to **E-Cadherine**

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to E-Cadherin

Antibody Formats Supplied

□ 0.2 ml of anti E-Cadherin, Concentrate

PRODUCT# IMI22152E (Concentrate)

SOURCE: Cultured supernatant

CLONE: 36B5

REACTIVITY

E-Cadherin is a cell adhesion molecule that plays a role in neoplastic progression and metastases as in the cases of prostate carcinomas and breast carcinomas. E-cadherin produces strong staining in normal prostate and it is reduced or absent in metastatic carcinomas. This antibody is suitable for use on routinely fixed paraffin embedded or frozen sections. It is compatible with formalin fixed tissues and with other commonly used histological fixatives.

POSITIVE CONTROL TISSUE: adenocarcinoma/ prostate

STAINING PATTERN: Membrane and cytoplasm staining

Antibody FORMAT, DILUTION and INCUBATION

This affinity-purified monoclonal 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, for paraffin section staining: Dilute 1:40 for 30-minute incubation. The dilution factors are considerably higher for 1 hour to over-night incubation.**

The dilution factor for frozen section staining and other applications are also higher and must be determined by the end user for the application and the secondary staining reagents employed. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the Uni-Trieve solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

THE SUGGESTED STARTING DILUTION FACTORS ARE MERE GUIDELINES. OPTIMAL DILUTION FACTORS MUST BE DETERMINED BY THE END USER FOR THE SECONDARY STAINING REAGENTS, SPECIMEN, STAINING PROTOCOL AND APPLICATION 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.

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APPLICATIONS

This antibody is intended for use in immunolocalization of E-cadherin by a variety of immunoassays such as Immunocytochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In Immunocytochemistry, 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 E-cadherin. 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 the noted expiration date on the vial label.

IMPORTANT NOTE:

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

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