



Polyclonal Antibody to Human Beta-Chorionic Gonadotropin (β -hCG)

Technical Data Sheet

Reagent Category

Polyclonal primary antibody to
Beta hCG

Antibody Formats Supplied

- 7 ml of anti Beta hCG, Ready-To-Use
- 0.2 ml of anti Beta hCG Concentrate

PRODUCT# IMI18561E (Ready-To-Use)

PRODUCT# IMI18552E (Concentrate)

SOURCE: Rabbit

IMMUNOGEN: Purified chorionic gonadotropin (beta hCG) extracted from human placenta.

IMMUNOGLOBULIN ISOTYPE: IgG1

POSITIVE CONTROL TISSUE: Immature human Placenta (mid term)

STAINING PATTERN: Cytoplasmic

REACTIVITY

This antibody reacts with the Beta unit of human chorionic gonadotropin (hCG) in the syncytial cells of immature human placenta. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. It is compatible with formalin fixed tissues and with other commonly used histological fixatives.

Antibody FORMAT, DILUTIONS and INCUBATIONS

This purified polyclonal anti Beta hCG antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

7 ml of pre-titered, Ready-to-Use; Do not dilute. Incubate for 30 minutes for paraffin sections.

Incubate 15 minutes for frozen sections. This antibody best stains when formalin fixed, paraffin sections are retrieved.

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°C-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°C-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°C-70°C and let slides incubate at 60°C-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with IHC or fluorescent (IF) staining.

0.2 ml Concentrate: For staining formalin fixed or alcohol fixed tissues the recommended dilutions are: 30 minutes for 1:20 dilution and 1-hour incubation for 1:40 dilution. For longer incubation time the working titer must be determined by the end user.

The titer for frozen sections are considerably higher and it should be imperatively determined by the end user. This antibody best stains when formalin fixed, paraffin sections are retrieved.

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The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT (2-step) 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.

APPLICATIONS

This antibody is intended for use in immunolocalization of Beta hCG antigens by a variety of immunoassays such as IHC, 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 and /or quantitative localization of Beta hCG antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human tissue 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.

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