



Polyclonal (Rabbit) Antibody to Human Collagen type V

Technical Data Sheet

Reagent Category

Polyclonal primary antibody to Collagen Type V

PRODUCT# IMI19561E (Ready-To-Use)

PRODUCT# IMI19552E (Concentrate)

Antibody Formats Supplied

5 ml of anti Collagen type V, Ready-To-Use

0.2 ml of anti Collagen type V, Concentrate

SOURCE: Rabbit

IMMUNOGEN: Purified Collagen type V from Human placenta

REACTIVITY

This collagen V polyclonal antibody reacts with collagen type V, this antibody is cross absorbed against other collagen types for maximum specificity. This antibody is useful for demonstrating collagen V in human tissues and it is non-cross reactive with other collagen types as I, II, and III. This antibody is suitable for the use on alcohol or acetone fixed paraffin embedded sections (see special usage guidance section of this data sheet).

POSITIVE CONTROL TISSUE : Human placenta

STAINING PATTERN: Cytoplasmic

PRODUCT FORMATS, DILUTIONS and INCUBATIONS

This affinity purified collagen type V polyclonal rabbit antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.01% sodium azide and are available in:

5 ml of pre-titered, Ready-to-Use, (do not dilute). Incubate for 10 to 30 minutes.

0.2 ml of concentrate; For 30 min. incubation dilute 1:10-1:30; For 1 hour to overnight incubation dilutions may be higher and the working titer should be determined by the end user.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q detection systems and the use of Enhancing wash buffer (see special usage guidance below). 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

For best staining results, the use of **INNOVEX signal-ENHANCING WASH BUFFERS** or heat application method for antigen recovery 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**

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APPLICATIONS

This antibody is intended for use in immunolocalization of collagen type V proteins in human or bovine tissues 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 for the purpose of qualitative localization of collagen type V proteins. 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 rabbit 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 primary antibody.

SPECIES REACTIVITY

This antibody reactivity with human and bovine tissues 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.

FOR IN VITRO RESEARCH USE ONLY