



## Monoclonal Antibody to **VIMENTIN**

### *Technical Data Sheet*

#### Reagent Category

Monoclonal primary antibody to  
Vimentin

#### Antibody Formats Supplied

- 7 ml of anti vimentin, Ready-To-Use
- 0.2 ml of anti vimentin, Concentrate

PRODUCT# IMI32061E (Ready-To-Use)

PRODUCT# IMI32052E (Concentrate)

**SOURCE:** Mouse ascites fluid

**IMMUNOGEN:** Purified vimentin isolated from porcine eye lens

**IMMUNOGLOBULIN ISOTYPE:** IgG1

**CLONE:** V9

**POSITIVE CONTROL TISSUE :** Ewing's tumor/ melanoma./ tonsil

#### **REACTIVITY**

Vimentin is a 57 kD molecular weight that belongs to the family of intermediate filament proteins and it is especially present in cells of mesenchymal (endothelial cells, fibroblast cells, melanocytes, Sertoli cells) origin. Vimentin in conjunction with several other antibodies, mainly, desmin, GFAP, neurofilaments and cytokeratins and LCA (CD45) are used in the study and classification of tumors of mesenchymal origin. 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.

**STAINING PATTERN:** Cytoplasmic

#### **Antibody FORMATS, DILUTIONS and INCUBATIONS**

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

**7 ml of Ready-to-Use; Do not dilute. Incubate for 30 minutes. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.**

*For Background-Free, gentle 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 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.*

**0.2ml of concentrate, for paraffin section staining: Dilute 1:50- 1:100 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 considerably higher and it 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.

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THE SUGGESTED STARTING DILUTION FACTORS ARE MERE GUIDELINES ONLY. 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 times by the use of Innovex STAT-Q and HISTO-STAT 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 vimentin protein in human or animal tissue 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 localization of vimentin protein. 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 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***