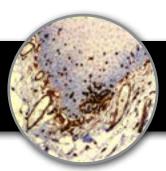
Vimentin Clone: V9 Mouse Monoclonal

C€ IVD





Inset: IHC of Vimentin on a FFPE Cervix Tissue

Intended Use

For In Vitro Diagnostic Use.

This antibody is intended for use in Immunohistochemical applications on formalin-fixed paraffin-embedded tissues (FFPE), frozen tissue sections and cell preparations. Interpretation of results should be performed by a qualified medical professional.

Immunogen

Purified vimentin from porcine eye lens.

Summary and Explanation

Vimentin is a member of the intermediate filament family of proteins. Intermediate filaments are an important structural feature of eukaryotic cells. Together with microtubules and actin microfilaments, they make up the cytoskeleton.

Expression of vimentin, when used in conjunction with keratin, is helpful in distinguishing melanomas from Undifferentiated Carcinomas and Large-Cell Lymphomas. All Melanomas and Schwannomas react strongly with vimentin. This antibody recognizes a 57 kDa intermediate filament. It labels a variety of mesenchymal cells, including melanocytes, lymph cells, endothelial cells and fibroblasts. Non-reactivity of vimentin antibody is often considered more useful than its presence, since there are a few tumors that do not contain vimentin (e.g., Hepatoma and Seminoma).

Antibody Type	Mouse Monoclonal	Clone	V9
Isotype	lgG1/K	Reactivity	Paraffin, Frozen
Localization	Cytoplasmic	Control	Tonsil, Lymph Node
Species Reactivity		Human, Canine, Feline, Rat, Horse, Rabbit	

Presentation

Vimentin is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.

Presentations

Catalog Num.	Antibody Type	Dilution	Volume/Qty
BSB 6022	Tinto Prediluted	Ready-to-Use	3.0 mL
BSB 6023	Tinto Prediluted	Ready-to-Use	7.0 mL
BSB 6024	Tinto Prediluted	Ready-to-Use	15.0 mL
BSB 6025	Concentrated	1:250 - 1:1000	0.1 mL
BSB 6026	Concentrated	1:250 - 1:1000	0.5 mL
BSB 6027	Concentrated	1:250 - 1:1000	1.0 mL
BSB 6028	Control Slides	Not Applicable	5 slides

Precautions

- **1.** For professional users only. Ensure results are interpreted by a medical professional.
- **2.** This product contains sodium azide (NaN3), a toxic chemical which may react with plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent sodium azide build-up.
- **3.** Ensure proper handling procedures are used with reagent. Always wear proper laboratory equipment such as laboratory coat and gloves when handling reagents.
- **4.** Unused solution should be disposed of according to local and federal regulations.
- **5.** Do not ingest reagent. If reagent ingested, contact a poison control center immediately.
- **6.** For complete recommendations for handling biological specimens please refer to the CDC document, "Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories" (6).

Storage

Store at 2-8 °C. Do not use after expiration date listed on package label. Temperature fluctuations should be avoided. Store appropriately when not in use, and avoid prolonged exposure to room temperature conditions.

Specimen Preparation

Paraffin sections: The antibody can be used on formalin-fixed paraffin-embedded (FFPE) tissue sections. Ensure tissue undergoes appropriate fixation to ensure best results. Pre-treatment of tissues with heat-induced epitope retrieval (HIER) is recommended using Bio SB ImmunoDNA Retriever with Citrate (BSB 0020-BSB 0023), ImmunoDNA Retriever with EDTA (BSB 0030-BSB 0033) or ImmunoDNA Digestor (BSB 0108-0112). See reverse side for complete protocol. Tissue should remain hydrated via use of Bio SB Immuno/DNA Washer solutions (BSB 0029 & BSB 0042).

Frozen sections and cell preparations: The antibody can be used for labeling acetone-fixed frozen sections and acetone-fixed cell preparations.

Staining Procedure

- 1. Cut and mount 3-5 micron formalin-fixed paraffin-embedded tissues on positive charged slides such as Bio SB Hydrophilic Plus Slides (BSB 7028).
- 2. Air dry for 2 hours at 58° C.
- 3. Deparaffinize, dehydrate and rehydrate tissues.
- 4. Subject tissues to heat epitope retrieval using a suitable retrieval solution such as ImmunoDNA Retriever with Citrate (BSB 0020-BSB 0023) or EDTA (BSB 0030-BSB 0033).
- 5. Any of three heating methods may be used:

a. TintoRetriever Pressure Cooker or Equivalent

Place tissues/slides in a staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA, and place in the pressure cooker. Add 1-2 inches of distilled water to the pressure cooker and turn heat to high. Incubate for 15 minutes. Open and immediately transfer slides to room temperature.

b. TintoRetriever PT Module or Water Bath Method

Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA at 95°-99° C. Incubate for 30-60 minutes.

c. Conventional Steamer Method

Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA in a Steamer, cover and steam for 30-60 minutes.

- 6. After heat treatment, transfer slides in ImmunoDNA Retriever with Citrate or EDTA to room temperature and let stand for 15-20 minutes.
- 7. For manual staining, perform antibody incubation at ambient temperature. For automated staining methods, perform antibody incubation according to instrument manufacturer's instructions.
- 8. Wash slides with IHC wash buffer or DI water.
- 9. Continue IHC staining protocol.

Recommended IHC Protocol

Step	ImmunoDetector AP/HRP	PolyDetector AP/HRP	PolyDetector Plus HRP
Peroxidase/AP Blocker	5 min.	5 min.	5 min
Primary Antibody	30-60 min.	30-60 min.	30-60 min.
1st Step Detection	10 min.	30-45 min.	15 min.
2nd Step Detection	10 min.	Not Applicable	15 min.
Substrate-Chromogen	5-10 min.	5-10 min.	5-10 min.
Counterstain	Varies	Varies	Varies

References

EC REP

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- 1. Ishii Y, et al. Clin Exp Immunol. 1984;58:183-192
- 2. Davey FR, et al. Am J Pathol. 1987;129:54-63
- 3. Lane EB, et al. Nature. 1983;303:701-704
- 4. Leader M, et al. Histopathology, 1987;11:63-72
- 5. Ben-Ze'ev A, J Cell Biol. 1984;99:1424-1433
- 6. U.S. Department of Health and Human Services: Centers for Disease Control and Prevention. Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories. Supplement / Vol. 61, January 6, 2012.

Symbol Key / Légende des symboles/Erläuterung der Symbole

EMERGO EUROPE

Prinsessegracht 20

2514 AP The Hague

In-Vitro-Diagnostikum

In Vitro Diagnostic Medical Device

Dispositif médical de diagnostic in vitro

The Netherlands

-				
colonic and gastric mucosa	glial cells			
Negative (-)				
neu	rons			
Abnormal Tissues				
Positi	ve (+)			
sarcomas 17/20	melanoma 16/18			
meningeoma 4/4	schwannoma 3/3			
neuroendocrine carcinoma	variable (10-60%)			
thyoma	variable (10-60%)			
mesotheliomas	variable (10-60%)			
papillary carcinoma of thyroid	variable (10-60%)			
renal carcinoma	variable (10-60%)			
endometrial carcinoma	variable (10-60%)			
ovarian carcinoma	variable (10-60%)			
lung carcinoma	variable (10-60%)			
Product Limitations				
Oue to inherent variability present in including fixation time of tissues, di nethod utilized and incubation time established through the use of positi hould be interpreted by a medical p	lution factor of antibody, retrieval c), optimal performance should be ve and negative controls. Results			

Manufacturer

Expiration Date

Utiliser jusque

Verwendbar bis

Fabricant

Hersteller

REF

LOT

Performance Characteristics

mesencymal cells

lipocytes

vascular endothelial cells

peripheral nerve

Kupffer cells

sweat glands of breast

adrenal cortex

renal glomeruls

retinal epithelial cells

Positive (+)

fibrocytes

smooth muscle cells

astrocytes

macrophages

myoepithelial cells

follicular cells of thyroid

renal distal tubules

pancreatic acinar cells

skeletal and cardiac muscle cells

Catalog Number

Bestellnummer

Lot Number

Code du lot

Référence du catalogue

Chargenbezeichnung

Normal Tissues



Storage Temperature

Limites de température

Read Instructions for Use

Zulässiger Temperaturbereich



Consulter les instructions d'utilisation

Gebrauchsanweisung beachten

