P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - www.ScyTek.com

Vimentin; Clone SP20

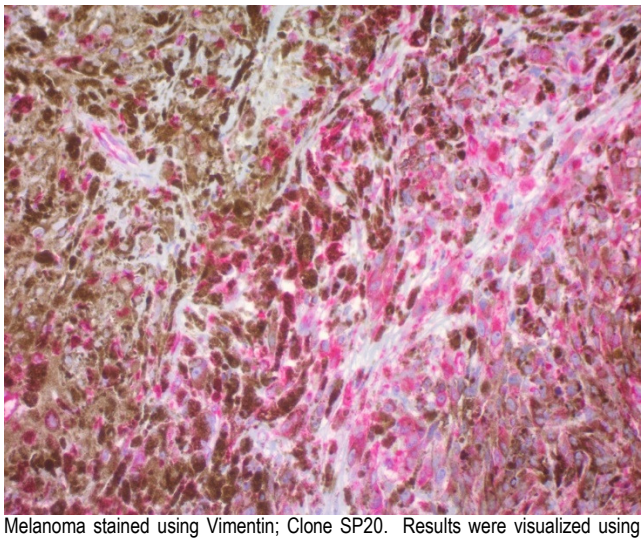
Catalog Number	Format	Volume
A00105-0002	(Ready-To-Use)	2 ml
A00105-0007	(Ready-To-Use)	7 ml
A00105-0025	(Ready-To-Use)	25 ml

Intended Use

For In Vitro Diagnostic use. This antibody is intended for the qualitative visualization of the anatomical elements listed in the Specificity section. It is intended to be used within an Immunohistochemistry (IHC) procedure on formalin-fixed paraffin-embedded (FFPE) human tissue followed by visualization by light microscopy. Any diagnostic interpretation of the results of this antibody is to be complemented by morphological studies using proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

Description

Titer/Working Dilution: Ready-to-Use: No further dilution required.
Concentrate: N/A
Species: Rabbit
Immunogen: Recombinant protein encoding human vimentin.
Clone: SP20
Isotype: IgG
Entrez Gene ID: 7431 (Human)
Hu Chromosome Loc.: 10p12.33
Synonyms: VIM
Mol. Wt. of Antigen: 57-60kDa
Format: Ready-To-Use antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded tissue sections. No further titration is required.
Specificity: This antibody selectively stains vimentin in human tissue sections.
Background: Vimentin is the main intermediate filament in mesenchymal cells and is therefore of value in the differential diagnosis of undifferentiated neoplasms.
Species Reactivity: Human, Others-not known
Positive Control: Sarcoma or melanoma
Cellular Localization: Cytoplasmic
Microbiological State: Nonsterile.



Melanoma stained using Vimentin; Clone SP20. Results were visualized using ScyTek's PolyTek Anti-Rabbit polymerized detection system and Permanent Red Chromogen/Substrate Kit. Magnification 200X

Materials and Reagents Required but not Provided

1. Control tissue and reagents
2. Xylene, graded alcohols, and deionized/distilled water
3. Antibody Diluent.
4. IHC detection system. Suggested: ScyTek Cat# ABZ125 "CRF Anti-Polyvalent HRP Polymer" and ScyTek Cat# ACV500 "DAB Chromogen/Substrate Kit (High Contrast)".
5. Wash buffer for rinses (ScyTek Cat# TBT500)
6. HIER Retrieval Solution
7. Hematoxylin counterstain and bluing reagent (ScyTek Cat# HMM500 and BRT500)
8. Mounting medium and coverslips

Note: ScyTek Laboratories has a wide range of IHC reagents and ancillaries that can be found at scytek.com.

Procedure

1. **Tissue Section Pretreatment (Required):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with pH 8-9 HIER Solution (see ScyTek catalog# ETA or TES for instructions).

2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.

3. **Visualization:** For maximum staining intensity we recommend the "CRF Anti-Polyvalent HRP Polymer" (ScyTek catalog# ABZ125, see IFU for instructions) combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

Storage and Stability

Do not Freeze. Store at 2-8°C. Return to 2-8° immediately after use. Do not use after expiration date printed on label. Verify visually that antibody has not been contaminated before use. Do not use if reagent becomes cloudy or precipitates.

Storage: 2° C 8° C

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Limitations

Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used. This data sheet's recommendations and procedures were validated using ScyTek IHC reagents and may not be suitable for other detection systems.

Precautions

1. Contains Sodium Azide as a preservative (0.09% w/v), do not ingest. Sodium Azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.
2. Do not pipette by mouth.
3. Avoid contact of reagents and specimens with skin and mucous membranes.
4. Avoid microbial contamination of reagents or increased nonspecific staining may occur.
5. The user must validate any procedures and recommendations that differ from this data sheet.
6. The SDS may be found at scytek.com

References

1. López F, Costales M, Vivanco B, Fresno MF, Suárez C, Llorente JL. Sinonasal desmoplastic small round cell tumor. Auris Nasus Larynx. 2013 Dec 1;40(6):573-6.
2. Seema V, Kalyani R. Multinucleate giant cells in FNAC of benign breast lesions: its significance. Journal of Clinical and Diagnostic Research: JCDR. 2014 Dec;8(12):FC01.

Warranty

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