

DESMIN (D33)

Format	Catalog No.	Pack size	Dilution
Concentrated	G17156 A, B, C	0.1, 0.5, 1.0 mL	1:100-200
Prediluted	G17156 AA, BB	6., 3.0 mL	Ready to use

SPECIES: Mouse monoclonal

IMMUNOGEN: Desmin

CLONE: D33

ISOTYPE: IgG1/kappa

SUPPLIED AS – Buffer with protein carrier and preservative

SPECIES REACTIVITY : Human, mouse and rat.

POSITIVE CONTROL : Leiomyoma, leiomyosarcoma, rhabdomyosarcoma

CELLULAR LOCALIZATION : Cytoplasmic

INTENDED USE: For Research Use Only (RUO).

BACKGROUND –

A 53 kDa intermediate filament protein known as desmin is recognised by it. According to studies, this MAb exhibits no cross-reaction with other intermediate filament proteins and is very specific to desmin. Desmin antibody responds with both smooth and striated muscle cells (cardiac and skeletal). Staining is limited to the Z-bands in cardiac and skeletal muscles, giving them a distinctive striated look. Anti-desmin antibodies are helpful in identifying myogenic tumours. It responds to both rhabdomyosarcomas (striated muscle) and leiomyosarcomas (smooth muscle).

TITER/WORKING DILUTION : Immunohistochemistry (Frozen and Formalin-fixed): 1-2ug/ml

Flow Cytometry: 1-2ug/million cells

Immunofluorescence: 1-3ug/ml

Western Blotting: 2-4ug/ml

MICROBIOLOGICAL STATE : This product is not sterile.

LIMITATIONS AND USES:

1. Not to be consumed internally.
2. For diagnostic purposes in vitro.
3. This product is designed for qualitative immunohistochemistry using formalin-fixed, paraffin-embedded
4. tissue sections from both normal and malignant tissues, which will be examined under a light microscope.
5. If the reagent gets hazy, don't use it.
6. Never use after the expiration date.
7. When working with reagents, exercise caution.



8. Not sterile.

Materials Required but not Provided

1. Positive Tissue Control: Routinely processed, neutral buffered formalin-fixed, paraffin-embedded Bladder or urothelial carcinoma
2. Negative tissue control (internal or external)
3. Microscope slides and coverslips
4. Staining jars or baths
5. Timer Instructions for Use (IFU)
6. Xylene or xylene substitute
7. Ethanol or reagent alcohol
8. Deionized or distilled water
9. Heating equipment or enzyme for tissue pretreatment step
10. Detection system
11. Chromogen
12. Wash Buffer
13. Hematoxylin
14. Antibody diluents
15. Peroxide Block
16. Light Microscope
17. Mounting medium
18. Avidin-Biotin Blocking Reagents for use with streptavidin biotin detection

PROCEDURE –

1. **Tissue Section Pretreatment (Necessary):** Citrate Plus pretreatment greatly improves the staining of tissue slices that have been paraffin embedded and fixed with formalin.
2. **Incubation Time for Primary Antibody:** We recommend 30 minutes at room temperature for incubation.
However, the user should choose the best incubation time based on the staining system used and the fixing circumstances.
3. **Visualisation:** To get the highest staining intensity, we advise combining the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" with the HRP Lab Pack".

PRECAUTIONS –

1. Contains 0.09% w/v sodium azide as a preservative.
2. Avoid pipetting by mouth.
3. Reagents and specimens should not come into touch with skin or mucous membranes.
4. Prevent reagent contamination by microorganisms, as this could lead to an increase in nonspecific staining.
5. There are no dangerous materials in this product.

TECHNICAL SUPPORT

4448 Ammendale Rd Beltsville, MD
20705, USA



info@genebiosolution.com



www.genebiosolution.com



+1 (408) 580-1396

For technical assistance, please contact GeneBio Solution's Technical Support at www.genebiosolution.com



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