

Mouse anti-Human SV-40, clone MRQ-4 (Monoclonal)

Clone no. MRQ-4

MONOSAN

Product name	Mouse anti-Human SV-40, clone MRQ-4 (Monoclonal)
Host	Mouse
Applications	IHC-P (1:50-1:200)
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG2a
Clonality	Monoclonal
Clone number	MRQ-4
Size	1 ml
Concentration	n/a
Format	-
Storage buffer	Tris Buffer, pH 7.3-7.7, containing 1% BSA and <0.1% Sodium Azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

SV40, Simian Virus 40 is a polyomavirus that is found in both monkeys and humans. Like other polyomaviruses, SV40 is a DNA virus that has the potential to cause tumors. SV40 is believed to suppress the transcriptional properties of tumor-suppressing p53 in humans through the SV40 large T-antigen and SV40 small T-antigen. It is generally assumed that large T-antigen is the major protein involved in neoplastic processes and the large T-antigen predominantly exerts its effect through deregulation of tumor suppressor p53, which is responsible for initiating regulated cell death ("apoptosis"), or cell cycle arrest when a cell is damaged. A mutated p53 gene may contribute to uncontrolled cellular proliferation, leading to a tumor.

References

1. Gurney, E.G., et al. J Virol. 34:752-763 (1980)
2. Huang, H., Reis, R. et al. Brain Pathol., 9:33-42 (1999)
3. Arrington, A.S., et al. Molecular and Clinical Perspectives; 461-489 (2001)
4. Pershouse M, et al. Inhal Toxicol (12):995-1000 (2006)
5. DL Poulin, et al. J Clin Oncology., 24:4356-65 (2006)

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