



Mouse Anti-MCPyV large T-antigen Monoclonal Antibody, Clone DN3C5 [AF594] (CABT-CS675)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	MCPyV large T-antigen
Target	MCPyV large T-antigen
Immunogen	Raised against large T/57kT exon 2 peptides of Merkel cell polyomavirus
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	MCPyV
Clone	DN3C5
Conjugate	AF594
Applications	WB, IP, IF, IHC
Format	Liquid
Size	200 µg
Buffer	PBS with < 0.1% sodium azide and 0.1% gelatin
Preservative	< 0.1% sodium azide
Storage	Store at 4° C. DO NOT FREEZE.

BACKGROUND

Introduction

Merkel cells are round neuroendocrine cells found in skin that have synaptic contacts with somatosensory afferents. Responsible for touch and pressure sensation, Merkel cells can turn malignant and form a rare but aggressive form of skin cancer known as Merkel cell carcinoma (MCC). Approximately 80% of MCC are caused by a newly-described polyomavirus called Merkel cell polyomavirus, also known as MCPyV or MCV, that expresses a large T antigen in tumor cells. Full-length MCPyV large T antigen is a 125 kDa nuclear protein but MCPyV T antigens obtained from tumors have natural truncating mutations resulting in variably-sized, smaller proteins.

Keywords

MCPyV; Merkel cell polyomavirus; MCV; Merkel cell carcinoma; MCC; MCPyV large T-antigen