

Mouse Monoclonal Antibody to VP2

Purified Mouse Monoclonal Antibody

Catalog # AO2440a

Product Information

Application	WB, IHC, FC, ICC, E
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	4E5A4
Isotype	Mouse IgG1
Calculated MW	61 KDa
Description	Human parvovirus B19 (B19) is an erythrovirus responsible for acute and chronic anemia in susceptible patients. The virus replicates, both in vivo and in vitro, in the nucleus of the erythroid progenitors. The viral capsid is composed of two viral proteins, VP1 and VP2, the latter making up almost 96% of the viral capsid proteins ;
Immunogen	Purified recombinant fragment of human VP2 (AA: 296-438) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide
Application Note	ELISA: 1/10000; WB: 1/500 - 1/2000; IHC: 1/200 - 1/1000; ICC: 1/200 - 1/1000; FCM: 1/200 - 1/400

Additional Information

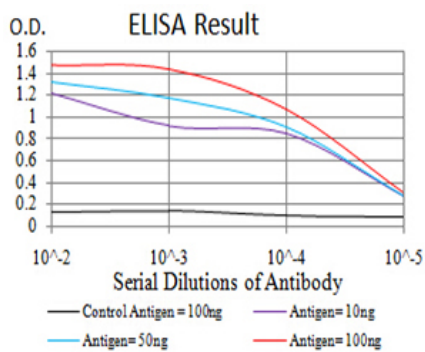
Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A E~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Mouse Monoclonal Antibody to VP2 is for research use only and not for use in diagnostic or therapeutic procedures.

References

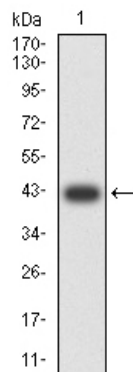
1.Volume 306, Issue 1, 1 February 2003, Pages 25–32 ;

Images

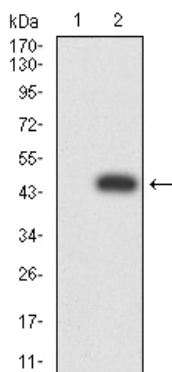
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100



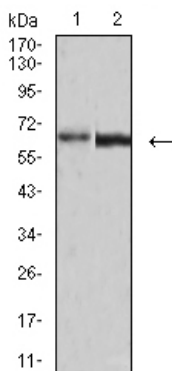
ng)



Western blot analysis using VP2 mAb against human VP2 (AA: 296-438) recombinant protein. (Expected MW is 42.1 kDa)

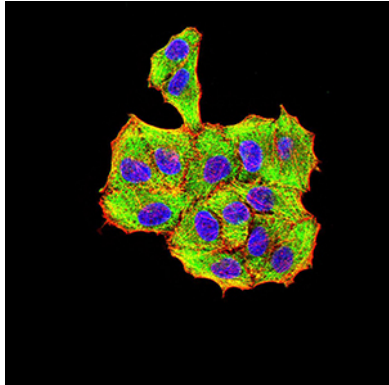
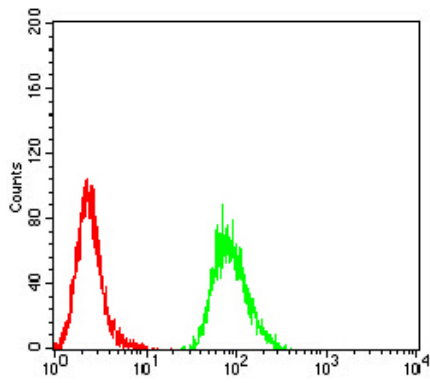


Western blot analysis using VP2 mAb against HEK293 (1) and VP2 (AA: 296-438)-hIgGFc transfected HEK293 (2) cell lysate.

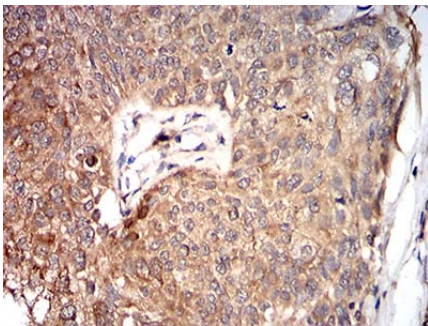


Western blot analysis using VP2 mouse mAb against A431 (1) and BCBL-1 (2) cell lysate.

Flow cytometric analysis of Hela cells using VP2 mouse mAb (green) and negative control (red).



Immunofluorescence analysis of HeLa cells using VP2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher



Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using VP2 mouse mAb with DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.