



## Hep A VP3 (1881): sc-58140

### BACKGROUND

The Hep A (hepatitis A) virus, an enterovirus that causes the disease Hep A, is the common cause of liver inflammation. The Hep A virus is transmitted via the orofecal route, such as ingesting contaminated food, and causes an acute form of hepatitis. Symptoms of Hep A include jaundice, dark urine, nausea, fever, fatigue, loss of appetite, stomach ache and vomiting in some individuals. Only three out of four people with Hep A are symptomatic. The Hep A VP3 (Hep A virion protein 3) is a capsid protein. It contains an amino terminal T cell epitope and is known to couple to liposomes. Hep A VP3 may activate serum response element associated intracellular signaling affecting cell proliferation and differentiation. There is usually no permanent liver damage caused from Hep A infection.

### REFERENCES

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5. Sanchez, G., et al. 2003. Evidence for quasispecies distributions in the human hepatitis A virus genome. *Virology* 315: 34-42.
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### SOURCE

Hep A VP3 (1881) is a mouse monoclonal antibody raised against Hep A.

### PRODUCT

Each vial contains 100 µg IgG<sub>1</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

### STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

### APPLICATIONS

Hep A VP3 (1881) is recommended for detection of neutralizing epitope of VP3 of Hep A by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Molecular Weight of Hep A VP3: 28 kDa.

### RESEARCH USE

For research use only, not for use in diagnostic procedures.

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.