



Product Specification Sheet

Hepatitis A Virus Antibody

<input type="checkbox"/> Cat # HAV21-A	Rabbit anti-Hepatitis A Virus antibody, affinity purified	SIZE: 100 ug
<input type="checkbox"/> Cat # HAV21-S	Rabbit anti-Hepatitis A Virus antiserum	SIZE: 100 ul

Hepatitis A Virus is a species of virus in the order Picornavirales in the family Picornaviridae and is the type species of the genus Hepatovirus. Humans and vertebrates serve as natural hosts. Hepatitis A Virus (HAV) is a 27nm nonenveloped, spherical, positive stranded RNA virus and is among the smallest and structurally simplest of the RNA animal viruses. A single large polyprotein is expressed from a large open reading frame extending through most of the genomic RNA. This polyprotein is subsequently cleaved by a viral protease (3Cpro) to form three (possibly four) capsid proteins and several nonstructural proteins. HAV genomic replication occurs exclusively in the cytoplasm of the infected hepatocyte by a mechanism involving an RNA-dependent RNA polymerase.

Source of Antigen or Antibodies

Host: Rabbit

Clonality: Polyclonal

Immunogen: Native HAV viral particles strain HM175

Form:

HAV21-A: Affinity purified over an HAV viral particles column

HAV21-S: Neat sera of rabbits immunized with HAV viral particles

Titer: The titer was assessed by coating HAV viral particles (Cat#HAV15-N-100) at a concentration of 1 ug/ml on an ELISA microwell plate. The serum produced an OD over 1.0 at a dilution of 1:100,000k.

Form & Storage of Antibodies

Affinity pure IgG

100 ug/200 ul solution; Concentration: 0.5 mg/mL
Supplied in PBS pH 7.4

Lyophilized powder

Reconstitute powder in 200 ul distilled water to 0.5 mg/ml

Antiserum: 100 ul neat sera

Solution
 Lyophilized powder: Reconstitute powder in 100 ul distilled water

Storage:

Short-term: 4°C for 1 month

Long-term: at -20°C or below in suitable aliquots after reconstitution for 1 year. Do not expose to multiple freeze/thaw cycles or store working, diluted solutions.

Recommended Usage

Western Blotting: 0.5-2 ug/ml using affinity pure.

ELISA: Assay dependent concentration. Typically, 0.1-2.0 ug/ml for capture/detection antibodies.

Above concentrations are a suggestion and user's must optimize assay based on their conditions. Antibody may work in other applications such as Flow Cytometry, IF, or IHC. These methods have not been tested by ADI.

**This product is for In vitro research use only.*

Related materials available from ADI

Catalog#	Description
HAV12-M	Mouse Anti-Hepatitis A Virus (VP3) IgG
HAV11-S	Goat Anti-Hepatitis A virus (anti-HAV) IgG
HAV17-N-10	Hepatitis A Virus (HAV) Antigens
4650	Human Anti-Hepatitis A IgG (Anti-HAV) ELISA Kit, Quantitative, 96 tests
4655	Human Anti-Hepatitis A IgM (Anti-HAV) ELISA Kit, Quantitative, 96 tests
4660	Mouse Anti-Hepatitis A IgG (Anti-HAV) ELISA Kit, Quantitative, 96 tests
4665	Mouse Anti-Hepatitis A IgM (Anti-HAV) ELISA Kit, Quantitative, 96 tests
4670	Monkey Anti-Hepatitis A IgG (Anti-HAV) ELISA Kit, Quantitative, 96 tests
4675	Monkey Anti-Hepatitis A IgM (Anti-HAV) ELISA Kit, Quantitative, 96 tests

HAV21-A

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