Datasheet for ABIN997031
HAV IgM ELISA Kit

[Go to Product page]

Overview

Quantity:	96 tests
Target:	HAV IgM
Reactivity:	Hepatitis A Virus (HAV)
Method Type:	Competition ELISA
Application:	ELISA

Product Details

Purpose:	The HAV IgM ELISA test is an enzyme-linked immunosorbent assay (ELISA) which is used for the qualitative determination of IgM-class antibodies to hepatitis A virus in human serum/plasma.
Sample Type:	Serum
Analytical Method:	Qualitative
Detection Method:	Colorimetric
Specificity:	100%
Sensitivity:	100%

Target Details

Target:	HAV IgM
Alternative Name:	HAV IgM (HAV IgM Products)
Target Type:	Antibody

Target Details

Background:	Hepatitis A is a self-limited disease and chronic stage or other complications are rare. Infections occur early in life in areas where sanitation is poor and living conditions are crowded. With improved sanitaion and hygiene, infections are delayed and consequently the number of persons susceptible to the disease increases. Because the disease is transmitted through the fecal-oral route in dense populated regions, an outbreak can arise from single contaminated source. The cause of hepatitis A is hepatitis A virus (HAV)-non enveloped positive strand RNA virus with a linear single strand genome, encoding for only one known serotype.
	HAV has four major, structural polypeptides and it localizes exclusively in the cytoplasm of human hepatocytes. The infection with HAV induces strong immunological response and elevated levels first of IgM and then IgG are detectable within a few days after the onset of the symptoms. The presence of anti–HAV IgM is an important serological marker for early detection and observation of the clinical manifestation of the disease. Increasing levels of anti-HAV IgM are detectable about three weeks after exposure with highest titter after four to six weeks later. Within six months after infection IgM concentration declines to non-detectable levels.

Application Details

Sample Volume:	100 μL
Assay Time:	1 - 2 h
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Expiry Date:	12-18 months