

Datasheet: OBT0993

Description:	GOAT ANTI HEPATITIS C E2 ANTIGEN
Specificity:	HEPATITIS C E2 ANTIGEN
Other names:	HCV
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Western Blotting	▪			
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Viral
Product Form	Ig Fraction - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	1.0 mg/ml
Immunogen	Recombinant E2 (genotype 1a).
External Database Links	UniProt: P26664 Related reagents
RRID	AB_618825

Specificity

Goat anti Hepatitis C E2 antigen antibody recognizes the Hepatitis C virus envelope glycoprotein E2, a 333 amino acid single pass type 1 transmembrane protein also known as NSA, gp68 or

gp70. The E2 protein forms a heterodimer with the Envelope glycoprotein E1 and is involved in viral entry into cells. The E2 protein acts as a ligand for CD209 and CLEC4M found on dendritic cells and liver sinusoidal endothelial cells respectively. CLEC4M is also found lymph node sinusoidal macrophage like cells ([UniProt: P26664](#)).

Further Reading	1. Scarselli, E. <i>et al.</i> (2002) The human scavenger receptor class B type I is a novel candidate receptor for the hepatitis C virus. EMBO J. 21 (19): 5017-25.
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Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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