ARG10069
anti-HCV NS3 antibody [20-8]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [20-8] recognizes HCV NS3
Tested Reactivity	HCV
Tested Application	ELISA, WB
Specificity	No cross reaction with HCV polyprotein core region and other non-structural regions.
Host	Mouse
Clonality	Monoclonal
Clone	20-8
Isotype	IgG1, kappa
Target Name	HCV NS3
Species	HCV
Immunogen	A highly antigenic polypeptide consisting of essential sequences of at least 60 residues in length, which were selected from genes encoding the NS-3 region of a Chinese HCV strains
Conjugation	Un-conjugated

Application Instructions

Application table

Application	Dilution
ELISA	Assay-dependent
WB	1 µg/ml

Application Note: Western Blot: mAb clone 20-8, when used at a concentration of 1µg/mL will allow visualization of 100 ng/lane synthetic NS-3 protein. The mAb works on blots transferred from both reducing and non-reducing PAGE gel.

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~70 kDa

Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background	Hepatitis C virus (HCV) causes chronic hepatitis and liver cirrhosis in human through blood and body fluid transmission. HCV has a positive sense single RNA genome enclosed in the nucleocapsid made of core protein (capsid protein). The nucleocapsid is covered by an envelope made of lipoproteins (E1 and E2). The 9.6 kb HCV genome has a single open-reading frame, which is to be translated into a single polyprotein. HCV viral proteins are produced after processing the polyprotein. Genes for core protein and envelop proteins are located adjacently at the 5'-end of HCV genome, followed by genes for non-structural proteins including NS2, NS3, NS4A, NS4B, NS5, NS5A and NS5B.
Research Area	Microbiology and Infectious Disease antibody