



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

#### Mouse Anti-Hepatitis C Virus Non-structural Protein 5 (NS5) Antigen With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-01488

**Target Species**  
Viral

**Isotype**  
IgG1

#### **Preparation**

**Immunogen:** Synthetic peptide corresponding to the NS-5 antigen region of the native molecule.

**Purification:** Purified IgG prepared by affinity chromatography on Protein A

#### **Formulation**

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG – liquid

**Buffer Solution:** Phosphate buffered saline

**Preservative Stabilizers:** 0.09% Sodium Azide ( $\text{NaN}_3$ )

**Approx. Protein Concentration:** IgG concentration 1.0 mg/ml

#### **Specificity**

HEPATITIS C NS-5 ANTIGEN

#### **Immunohistology**

This antibody is suitable for use with formalin fixed, paraffin embedded sections and gives a strong reaction at 1/20 dilution. This product does not require antigen retrieval. The recommended incubation time is 35 minutes.

#### **Western Blotting**

DS-MB-01488 detects a major band of approximately 50 kDa with minor bands at 35 kDa, 40 kDa and 67 kDa. This reflects bands found in DTT reduced blots of the immunizing antigen and in immunoblots using a known antibody positive serum.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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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.

**Shelf Life:** 18 months from date of shipment

### Applications

**Table Summary of antibody applications and working conditions**

<b>Options Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA	•			
Western Blotting	•			
Immunohistology - Frozen	•			
Immunohistology - Paraffin	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

### Secondary Antibody Applications

<b>Options Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

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