

Introducing Our New, High-Sensitivity Antibody Pair for hMPV Detection

Human Metapneumovirus (hMPV) is a common cause of acute respiratory infection, particularly in infants, the elderly, and immunocompromised individuals. hMPV can be transmitted via droplets and/or contact, with seasonal peaks typically in winter and spring. Similarly to other respiratory viruses, hMPV can cause symptoms such as cough, fever, nasal congestion, and wheezing, with severe cases possibly leading to pneumonia. Despite being recognized for over 60 years, hMPV was only formally identified in 2001 due to its slow growth in cultures and nonspecific symptoms.

hMPV is an enveloped, single-stranded negative RNA virus from the *Paramyxoviridae* family (specifically, the Metapneumovirus genus). The virus genome consists of 8 genes encoding 9 proteins. The major surface glycoproteins F, G, and SH are crucial for viral entry into host cells. Of these sequences, F and G define two major genotypes/groups, A and B; these groups are further classified into four subgroups (A1, A2, B1, and B2). Viral M proteins within the lipid bilayer play a key role in assembly and budding, and structural NP proteins are highly present inside the viral particle.

For reliable detection of hMPV infection, Creative Diagnostics offers high-performance monoclonal antibodies and antigens targeting the N and M proteins. These antibodies are ideal for use in lateral flow and fluorescence immunoassays, meeting your detection needs with speed and reliability.

Performance

- **High Sensitivity:** Detects hMPV at 0.1 ng/mL
- **Excellent Specificity:** No cross-reactivity
- **Rapid Results:** Obtain results in just 10 minutes

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Product

Cat. No.	Product Name	Source/Host	Application
Antigens			
DAG-WT646	Recombinant hMPV M Protein	E. coli	LFIA, CLIA
DAG-WT617	Recombinant hMPV NP	E. coli	LFIA, CLIA
DAGC321L	hMPV 9 Type A1 Lysate	LLC-mk2 cells	WB, DB
Antibodies			
DMAB-CS23171	Magic™ Anti-hMPV Mab, clone B6203	Mouse	LFIA (Cap)
DMAB-CS23172	Magic™ Anti-hMPV Mab, clone B6202	Mouse	LFIA (Det)
DMAB-CLS25015	Magic™ Anti-hMPV M Protein Mab, clone 2242	Mouse	LFIA(Cap)
DMAB-CLS25016	Magic™ Anti-hMPV M Protein Mab, clone 2243	Mouse	LFIA(Det)
DMAB-CLS25017	Magic™ Anti-hMPV NP Mab, clone 4E3C	Mouse	LFIA(Cap)
DMAB-CLS25018	Magic™ Anti-hMPV NP Mab, clone 4E3MB	Mouse	LFIA(Det)
DMAB-CLS25019	Magic™ Anti-hMPV NP Mab, clone 5C9H	Mouse	LFIA(Cap)
DMAB-CLS25020	Magic™ Anti-hMPV NP Mab, clone 5C9MB	Mouse	LFIA(Det)

For more information on our hMPV antibodies, contact us today.