



Magic™ Mouse Anti-hMPV M Protein

Monoclonal antibody, clone HMPV3824 (DMAB-CS25073)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Specific for the matrix protein of human Metapneumovirus genotypes A & B. It is not cross-reactive with RSV, Influenza A, Influenza B, Adenovirus, or Parainfluenza viruses 1, 2, & 3.
Target	hMPV M Protein
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	hMPV
Clone	HMPV3824
Purification	Protein A
Conjugate	Unconjugated
Applications	LFIA(Cap), IF, ELISA We recommend the following antibodies for LFIA (Capture - Detection): DMAB-CS25073 - DMAB-CS25072
Format	Liquid
Size	250 µg
Buffer	0.01 M PBS, pH 7.2 and contains 0.1% sodium azide.
Preservative	0.1% sodium azide

Storage

This purified antibody is stable when stored at 2-8°C. Do not freeze.

BACKGROUND

Introduction

Human Metapneumovirus (HMPV) is a single-stranded RNA virus belonging to the Paramyxoviridae family and is considered one of the major respiratory pathogens responsible for acute respiratory tract infections in humans. HMPV was first identified in 2001 and has since been recognized globally as a common cause of respiratory illnesses, particularly in young children, the elderly, and immunocompromised individuals. The virus spreads through respiratory droplets and can cause a wide spectrum of clinical manifestations, ranging from mild cold-like symptoms to severe lower respiratory tract infections, including bronchiolitis and pneumonia. HMPV shares similarities with Respiratory Syncytial Virus (RSV) and Influenza Virus in terms of its clinical presentation and seasonality, often peaking in the winter months in temperate regions.

Keywords

Human Metapneumovirus; hMPV; hMPV M Protein; hMPV matrix protein
