



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-F protein [mAb 234] Ab03553-21.0-BT

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgM, Kappa

**Clone Number:** mAb 234

**Alternative Name(s) of Target:** Fusion glycoprotein; Protein F; hMPV F protein; hMPV fusion glycoprotein; Human metapneumovirus; 168-A5-234-114

**UniProt Accession Number of Target Protein:** Q6WB98

**Published Application(s):** neutralization, ELISA

**Published Species Reactivity:** Human metapneumovirus (hMPV)

**Immunogen:** The original antibody was generated by immunizing BALB/c mice with a combination of some or all of the following: intranasal infection with hMPV at  $10^6$  TCID<sub>50</sub> per animal of either NL1700, NL100, or NL199; intranasal infection with  $10^6$  PFU b/hPIV3/hMPV FNL100; intraperitoneal injection with adenovirus-vectored hMPV FNL100 or hMPV FNL199 at a dose of  $9 \times 10^7$  TCID<sub>50</sub>; purified soluble hMPV F protein derived from NL100 and NL199 sequences injected intraperitoneally with either GERBU MM adjuvant.

**Specificity:** This antibody recognizes the hMPV F protein in the helix-loop-helix motif within site II. Human metapneumovirus (hMPV) is a member of the Paramyxoviridae family/Pneumovirinae subfamily and shares many common features with respiratory syncytial virus (RSV), another member of the same subfamily. hMPV causes respiratory tract illnesses that, similar to human RSV, occur predominantly during the winter months and have symptoms that range from mild to severe cough, bronchiolitis, and pneumonia.

**Application Notes:** ELISA was used to confirm the binding of this antibody to hMPV F protein. This antibody has been reported to have high neutralizing activity against all of the hMPV types A1, A2, B1, and B2 with an in vitro IC<sub>50</sub> of  $< 2 \mu\text{g/ml}$ . The antibody is effective as passive prophylaxis, protecting hamsters and mice from hMPV challenge (PMID: 16873237).

**Antibody First Published in:** Ulbrandt et al. Isolation and characterization of monoclonal antibodies which neutralize human metapneumovirus in vitro and in vivo. J Virol. 2006 Aug;80(16):7799-806.

[PMID:16873237](https://pubmed.ncbi.nlm.nih.gov/16873237/)

**Note on publication:** Describes the generation and characterization of two antibodies against Human metapneumovirus (hMPV).

## Product Form

**Size:** 500  $\mu\text{g}$  Purified antibody in bulk size.

**Purification:** Affinity Purified using a recombinant lectin column

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:**

1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.