



MOUSE ANTI-HUMAN METAPNEUMOVIRUS MONOCLONAL ANTIBODY

CATALOG NUMBER: MAB80138 **QUANTITY:** 100 ug
LOT NUMBER: **CONCENTRATION:** 1 mg/mL
CLONE NAME: 507 **HOST/ISOTYPE:** Ms/IgG_{2a}

BACKGROUND: Human metapneumovirus (hMPV) is a member of the pneumovirinae subfamily of paramyxoviruses, first described in 2001 from pediatric respiratory specimens in the Netherlands. It is an enveloped pleomorphic virus with a single negative-strand RNA genome. Two major serotypes, A and B, have been described. Several studies identified hMPV in specimens worldwide, and estimated that by age 5 years 70% of children have developed antibodies to hMPV.

SPECIFICITY: Reactive with all sub-types; A1, A2, B1, B2. Specific to the nuclear protein.

APPLICATIONS: ELISA
FACS
Optimal dilutions must be determined by end user.

SPECIES REACTIVITY: Human, other species have not been verified.

FORMAT: Purified immunoglobulin

PRESENTATION: Liquid in 0.02M PB with 0.25M NaCl, pH 7.6. Contains 0.1% sodium azide.

STORAGE/HANDLING: Store at 2° to 8°C for up to 12 months from date of receipt.

REFERENCES: Boivin, Guy, *et al* (2003). Human metapneumovirus infections in hospitalized children. *Emerging Infect Dis* **9**: 634-40.
Esper, Frank, *et al* (2003). Human metapneumovirus infection in the United States: clinical manifestations associated with a newly emerging respiratory infection in children. *Pediatrics* **111**: 1407-10.
Maggi, Fabrizio, *et al* (2003). Human metapneumovirus associated with respiratory tract infections in a 3-year study of nasal swabs from infants in Italy. *J Clin Microbiol* **41**: 2987-91.
van den Hoogen, Bernadette G, *et al* (2002). Analysis of the genomic sequence of a human metapneumovirus. *Virology* **295**: 119-32.
van den Hoogen, B G, *et al* (2001). A newly discovered human pneumovirus isolated from young children with respiratory tract disease. *Nat Med* **7**: 719-24.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

©2002 - 2007: Millipore Corporation. All rights reserved. No part of these works may be reproduced in any form without permission in writing.

28820 Single Oak Drive • Temecula, CA 92590
Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502
www.millipore.com