

BM3173**Monoclonal Antibody to Parainfluenza Virus 2 - Purified****Alternate names:**

HPIV-2, HPIV2, Parainfluenza Virus type 2

Quantity:

1 mg

Concentration:

0.1 mg/ml (OD280 nm, E0.1% = 1.4)

Background:

Human parainfluenza viruses (HPIV) were first discovered in the late 1950s. Over the last decade considerable knowledge about their molecular structure and function has been accumulated. This has led to significant changes in both the nomenclature and taxonomic relationships of these viruses. HPIV is genetically and antigenically divided into types 1 to 4.

HPIV1 to HPIV3 are major causes of lower respiratory infections in infants, young children, the immunocompromised, the chronically ill, and the elderly. Each subtype can cause somewhat unique clinical diseases in different hosts. HPIV are enveloped and of medium size (150 to 250 nm), and their RNA genome is in the negative sense. These viruses belong to the Paramyxoviridae family, one of the largest and most rapidly growing groups of viruses causing significant human and veterinary disease. HPIV are closely related to recently discovered megamyxoviruses (Hendra and Nipah viruses) and metapneumovirus.

Host / Isotype:

Mouse / IgG2

Clone:

1241

Immunogen:

Human parainfluenza 2

Format:**State:** Liquid purified Ig fraction (>90% pure).**Purification:** Protein A chromatography.**Buffer System:** 0.01 M PBS, pH 7.2 containing 0.09% sodium azide as preservative and no stabilizers.**Applications:**

Suitable for use in IFA : a starting range of 1:10 - 1:50 is suggested.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Parainfluenza virus, type 2.

Negative by indirect IFA against types 1 and 3.

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.