

Product datasheet for **BM3173**

Parainfluenza Virus 2 Mouse Monoclonal Antibody [Clone ID: 1241]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1241
Applications:	IF
Recommended Dilution:	Suitable for use in IFA : a starting range of 1:10 - 1:50 is suggested.
Reactivity:	Human Parainfluenza Viruses 2
Host:	Mouse
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Human parainfluenza 2
Specificity:	Parainfluenza virus, type 2. Negative by indirect IFA against types 1 and 3.
Formulation:	0.01 M PBS, pH 7.2 containing 0.09% sodium azide as preservative and no stabilizers. State: Purified State: Liquid purified Ig fraction (>90% pure).
Concentration:	lot specific
Purification:	Protein A chromatography.
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.



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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.

Synonyms:

Parainfluenza Virus type 2, HPIV-2, HPIV2