

Product datasheet for **BP1052**

Parainfluenza Virus 1 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, WB
Recommended Dilution:	Immunofluorescence, ELISA and immunoblotting. May be used in place of whole antiserum in almost any appropriate antibody based technique. It is also suitable for conjugation purposes.
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Cantell strain
Specificity:	Parainfluenza 1, all structural antigens. Recognizes Sendai virus by ELISA. Does not cross-react with Para types 2 and 3, Influenza A, Influenza B, Respiratory Syncytial Virus, HSV1, HSV2, Adenovirus, CMV, Measles, Mumps and Rubella by indirect IFA. Does not react with HEp-2 cells or monkey kidney cells by indirect IFA.
Formulation:	0.01 M PBS, pH 7.2 containing 0.09% sodium azide as preservative. No stabilizing proteins have been added. State: Ig Fraction State: Liquid purified Ig fraction (>95% pure)
Concentration:	lot specific
Purification:	Sodium sulfate precipitation and ion exchange 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. HPIV is genetically and antigenically divided into types 1 to 4. HPIV 1 to HPIV 3 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 1, HPIV-1, HPIV1