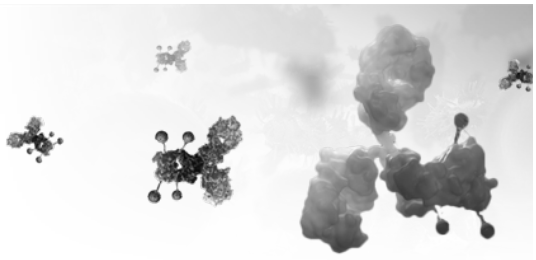

Anti-PIV type 2, 3 Polyclonal antibody (DPAB0162)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Cross-reacts with type 2. Minimal reactivity with type 1. Some cross-reactivity with bovine parainfluenza-3 and canine parainfluenza. Does not react with HEp-2 cells by indirect immunofluorescence.
Target	PIV type 2, 3
Immunogen	Human isolate, type 3
Source/Host	Goat
Species Reactivity	PIV
Purification	Purified IgG fraction of antiserum covalently coupled to a highly purified preparation of Horseradish Peroxidase (RZ3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is absent. Estimated molar HRP:IgG s
Conjugate	Unconjugated
Applications	Suitable for use in immunocytochemistry and ELISA applications. A starting range of 1:20–1:200 is recommended for immunocytochemistry and 1:200–1:1,000 is recommended for enzyme immunoassays. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	HRP, Liquid
Concentration	1-2mg/ml (OD280nm, E0.1% = 1.4)
Size	1 ml
Buffer	PBS containing 10mg/ml BSA

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Preservative	None
Storage	Short-term (up to 6 months) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	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.
Keywords	HPIV3; Parainfluenza 3; PIV3; HPIV2; Parainfluenza 2; PIV2; Parainfluenza 2 & 3; Mononegavirales; Paramyxoviridae

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