

Product datasheet for **BIN013**

Parainfluenza Virus 1 (Strain VP1) Protein

Product data:

Product Type:	Native Proteins
Description:	Parainfluenza Virus 1 (Strain VP1) protein, 1 ml
Protein Source:	Vero
Concentration:	lot specific
Purity:	Optimally infected monolayers are harvested, disrupted by sonication and subjected to low speed centrifugation. The clarified cell lysate is pooled with supernatant from the infected culture and concentrated using crossflow centrifugation. The resulting antigen preparation contains a high concentration of virus and viral components as well as some cellular material suspended in MEM.
Buffer:	Presentation State: Lysate State: Liquid lysate Buffer System: Tissue culture media without preservatives.
Preparation:	Liquid lysate
Applications:	Suitable for use in ELISA for both IgG and IgM detection. This antigen should be sonicated immediately prior to use.
Note:	Caution: We are aware of no specific hazards with this product. The reagent has been inactivated and should contain no infectious material. Generally accepted good laboratory practices appropriate to biological reagents should be employed when handling this product.
Storage:	Store at < -70°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Summary:	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.



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