

Goat Anti-Influenza B virions Polyclonal Antibody

Goat , Polyclonal (Influenza B virions)

Cat. No. DPAB0198

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview: Goat Antibody to Influenza B virions

Specificity: Purified virions. Does not cross-react with influenza A virus, Parainfluenza virus types 1-3, Respiratory Syncytial virus or Adenovirus. Negative against monkey kidney cells by indirect immunofluorescence.

Immunogen: Yamagata strain of Influenza B

Host animal: Goat

Format: FITC, Liquid

Applications: Suitable for use in ELISA, direct IFA and Western blot. 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.

Purification: Purified IgG fraction purified from the whole antiserum and conjugated with high purity Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.

REFERENCES

1. Osterhaus AD, Rimmelzwaan GF, Martina BE, Bestebroer TM, Fouchier RA (2000). "Influenza B virus in seals". *Science* 288 (5468): 1051–3.
2. S, Katsushima N, Mizuta K, Nishimura H (2004). "Genetic diversity of influenza B virus: the frequent reassortment and cocirculation of the genetically distinct reassortant viruses in a community". *J. Med. Virol.* 74 (1): 132–40.
3. Matsuzaki Y, Sugawara K, Takashita E, Muraki Y, Hongo Nobusawa E, Sato K (April 2006). "Comparison of the mutation rates of human influenza A and B viruses". *J Virol* 80 (7): 3675–8.

BACKGROUND

Introduction: Influenzavirus B is a genus in the virus family Orthomyxoviridae. The only species in this genus is called "Influenza B virus".

Influenza B viruses are only known to infect humans and seals, giving them influenza. This limited host range is apparently responsible for the lack of Influenzavirus B caused influenza pandemics in contrast with those caused by the morphologically similar Influenzavirus A as both mutate by both genetic drift and reassortment

Keywords: Influenza B Virus; Flu; Influenza virus type B; Group V ((-)ssRNA); Orthomyxoviridae

PACKAGING

Concentration: 4-5mg/ml (OD280nm, $E^{0.1\%}=1.4$)

Storage: Short-term (up to 6 months) store at 2-8°C under subdued light. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Buffer: 0.01M PBS, pH 7.2 containing 10mg/ml BSA

Preservative: 0.1% Sodium azide

Warning: This product contains sodium azide, which has been classified as Xn (Harmful) in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.