

Goat Anti-Cytomegalovirus Polyclonal Antibody

Goat, Polyclonal (Cytomegalovirus)

Cat. No. DPAB0181

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview: Goat Antibody to Cytomegalovirus (CMV) Fluorescein conjugated

Specificity: Predominant reactivity to glycoprotein B (gB). Does not react with HSV and VZV by indirect immunofluorescence. Negative against HEp-2 cells and human fibroblasts by IFA.

Immunogen: Purified virions of Strain AD 169

Host animal: Goat

Format: FITC, Liquid

Applications: Suitable for use with avidin and streptavidin amplification systems for in IFA, immunocytochemistry 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 covalently coupled 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. Ryan KJ, Ray CG (editors) (2004). Sherris Medical Microbiology (4th ed.). McGraw Hill. pp. 556; 566–9.
2. Offermanns S, Rosenthal W (2008). Encyclopedia of Molecular Pharmacology (2nd ed.). Springer. pp. 437–438.

BACKGROUND

Introduction: Cytomegalovirus is a member of the herpes virus group, which includes herpes simplex virus types 1 and 2, varicella zoster virus (which causes chicken pox), and Epstein Barr virus (which causes infectious mononucleosis). These viruses share a characteristic ability to remain dormant within the body over a long period.

Keywords: Cytomegalovirus; 55 kDa immediate-early protein 1; 45 kDa immediate-early protein 2; CMV; Envelope glycoprotein B; gB; Glycoprotein B; HHV 5; HHV5; herpesvirus 5; IE1; IE2; UL122; UL122 regulatory protein IE2; UL123; UL123 regulatory protein IE1; UL55; UL55 envelope glycoprotein B; Herpesviridae; Betaherpesvirinae; Group I

PACKAGING

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

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

Preservative: 0.1% Sodium azide

Storage: Store (up to 6 months) at 2–8°C under subdued light. Long term, aliquot and store at –20°C.

Avoid multiple freeze/thaw cycles.

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.