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AP09842PU-N Polyclonal Antibody to Thiamphenicol / Florphenicol - Ig Fraction

Alternate names: Dextrosulphenidol, Florfenicol, Nuflor, Thiophenicol

Quantity: 0.1 ml

Concentration: 5.57 mg/ml (U.V. abs @ 280nm)

Background: Thiamphenicol is a broad-spectrum antibiotic, active against both Gram-positive and Gram-negative bacteria and especially effective against anaerobes. Thiamphenicol may be used in the treatment and control of a wide range of respiratory and alimentary tract infections of bacterial origin in calves, pigs and poultry. Thiamphenicol has a similar antibacterial spectrum to chloramphenicol but has not been associated with aplastic anaemia in spite of extensive use in man. Thiamphenicol inhibits protein synthesis in bacteria. It has a bacteriostatic action against a broad range of microorganisms, although it may be bactericidal for some species under some conditions, and in concentrations 3 to 5 times higher than the bacteriostatic concentrations. Among the bacteria inhibited in vitro by relatively low concentrations of thiamphenicol are Clostridium, Corynebacterium diphtheriae, Diplococcus pneumoniae, Staphylococcus albus, Streptococcus pyogenes, Streptococcus viridans, Bacteroides, Fusobacterium, Bordatella, Brucella, Haemophilus, Neisseria, Pasteurella, Shigella and some vibrio strains. Some Bacilli, Erysipelothrix, Staphylococcus aureus and Streptococcus faecalis are sensitive to moderate concentrations of thiamphenicol but Listeria, Aerobacter, Escherichia, Klebsiella, Proteus and Salmonellae are sensitive only to relatively high concentrations. The compound is active against Mycoplasmas, Treponema, Rickettsias, Entamoeba and Actinomycetes, but inactive against Mycobacterium tuberculosis and Pseudomonas aeruginosa. The in vitro antimicrobial activity of the thiamphenicol glycinate ester is similar to that of thiamphenicol base.

Host / Isotype: Sheep / IgG

Immunogen: Thiamphenicol-BTG

Format: **State:** Liquid Ig fraction prepared by Caprylic Acid and Ammonium Sulphate precipitation procedures.
Buffer System: 20mM Phosphate, 150mM Sodium Chloride, pH 7.2 containing 0.09% Sodium Azide as preservative.

Applications: **ELISA:** 2.5 µg/ml.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognizes Thiamphenicol/Florfenicol.

Storage: Store the antibody (in aliquots) at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.