

AP09768PU-L**Polyclonal Antibody to Monensin - Ig Fraction**

Alternate names:	Monensic Acid, Rumensin
Quantity:	1 ml
Concentration:	11.62mg/ml (U.V. abs @ 280nm)
Background:	Monensin isolated from <i>Streptomyces cinnamonensis</i> is a polyether ionophore antibiotic. It is able to form pseudomacrocyclic complexes with mono and divalent cations and transport these cations across cellular membranes; hence it's antibiotic properties. In cells monensin blocks the secretion of glycoproteins. Monensin plays an important role as an Na ⁺ /H ⁺ antiporter, it blocks intracellular protein transport, and exhibits antibiotic, antimalarial, and other biological activities. Monensin is used extensively in the beef and dairy industry to improve growth rates of cattle.
Host / Isotype:	Sheep / IgG
Immunogen:	Monensin Sodium Salt-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: 1.25µg/ml (EIA). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to Monensin.
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.