

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

<b>Alternate names:</b>	Monensic Acid, Rumensin
<b>Quantity:</b>	0.1 ml
<b>Concentration:</b>	11.62mg/ml (U.V. abs @ 280nm)
<b>Background:</b>	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 <sup>+</sup> /H <sup>+</sup> 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.
<b>Host / Isotype:</b>	Sheep / IgG
<b>Immunogen:</b>	Monensin Sodium Salt-BTG
<b>Format:</b>	<b>State:</b> Liquid Ig fraction prepared by Caprylic Acid and Ammonium Sulphate precipitation procedures <b>Buffer System:</b> 20mM Phosphate, 150mM Sodium Chloride, pH 7.2 containing 0.09% Sodium Azide as preservative
<b>Applications:</b>	ELISA: 1.25µg/ml (EIA). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to Monensin.
<b>Storage:</b>	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.