

Polyclonal Antibody to Duramycin - Serum

Catalog No.:	AP54898SU-N
Quantity:	0.2 ml
Background:	Duramycin is a 19-amino-acid (molecular weight 2012 Da) tetracyclic lantibiotic closely related to cinnamycin (Ro09-0198), which is known to bind phosphatidylethanolamine (PE). It is obtained from culture filtrates of <i>Streptomyces cinnamomeus</i> forma <i>azacoluta</i> . Duramycin recognizes and binds to a particular membrane conformation determined by the presence of PE or monogalactosyl diglyceride.
Host:	Rabbit
Immunogen:	19 amino acid tetracyclic lantibiotic
Format:	State: Lyophilized serum Preservatives: None Reconstitution: Restore in 0.2 ml distilled water.
Applications:	ELISA: 1/500-1/5000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Reacts with Duramycin.
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Iwamoto K, Hayakawa T, Murate M, Makino A, Ito K, Fujisawa T, et al. Curvature-dependent recognition of ethanolamine phospholipids by duramycin and cinnamycin. <i>Biophys J.</i> 2007 Sep 1;93(5):1608-19. Epub 2007 May 4. PubMed PMID: 17483159.