

ARG83361 Kanamycin ELISA Kit

Package: 96 wells
Store at: 4°C, -20°C

Summary

Product Description	ARG83361 Kanamycin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Kanamycin in Serum, Plasma, Cell Sample, Tissue Sample and Food Sample.
Tested Reactivity	Other
Tested Application	ELISA
Target Name	Kanamycin
Conjugation	HRP
Conjugation Note	Read at 450 nm.
Sensitivity	5 nM
Sample Type	Serum, Plasma, Cell Sample, Tissue Sample and Food Sample.
Standard Range	7.8 - 500nM
Sample Volume	50 µL
Alternate Names	Kanamycin A

Application Instructions

Assay Time	~3 hours
------------	----------

Properties

Form	96 well
Storage instruction	Store components at 4°C, -20°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background	Kanamycin is an antibiotic used to treat severe bacterial infections and tuberculosis.
Function	Kanamycin works by interfering with protein synthesis. It binds to the 30S subunit of the bacterial ribosome. This results in incorrect alignment with the mRNA and eventually leads to a misread that causes the wrong amino acid to be placed into the peptide. This leads to nonfunctional peptide chains.
Research Area	Aminoglycoside antibiotics, Anti-tuberculosis drugs, Cell culture reagents, Withdrawn drugsJapanese inventions