

ARG83806 General Spermidine ELISA Kit

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

Summary

Product Description	ARG83806 General Spermidine ELISA Kit is a detection kit for the quantification of General Spermidine in serum, plasma, saliva, urine, cell culture supernatants, cell lysate and tissue lysate samples.
Tested Reactivity	All
Tested Application	ELISA
Target Name	Spermidine
Conjugation	HRP
Conjugation Note	Read at 450 nm
Sensitivity	1.56 ng/mL
Sample Type	Serum, plasma, saliva, urine, cell culture supernatants, cell lysate and tissue lysate samples.
Standard Range	3.13 - 200 ng/mL
Sample Volume	50 µl

Application Instructions

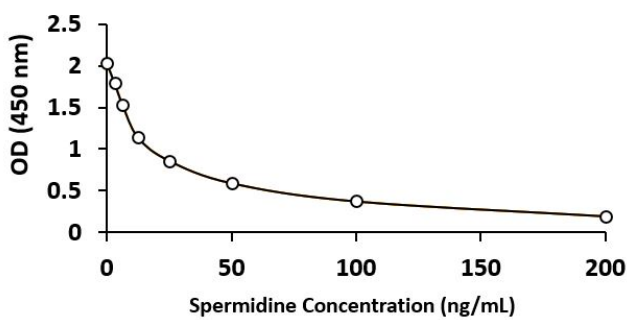
Assay Time	2.5 hr
------------	--------

Properties

Form	96 well
Storage instruction	Store the kit at 2-8°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	<p>Spermidine is an aliphatic polyamine. Spermidine synthase (SPDS) catalyzes its formation from putrescine. It is a precursor to other polyamines, such as spermine and its structural isomer thermospermine.</p> <p>Spermidine synchronizes an array of biological processes, (such as Ca²⁺, Na⁺, K⁺ -ATPase) thus maintaining membrane potential and controlling intracellular pH and volume. Spermidine regulates biological processes, such as Ca²⁺ influx by glutamatergic N-methyl-D-aspartate receptor (NMDA receptor), which has been associated with nitric oxide synthase (NOS) and cGMP/PKG pathway activation and a decrease of Na⁺,K⁺-ATPase activity in cerebral cortex synaptosomes. [provide by wikipedia: Spermidine]</p>
------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



ARG83806 General Spermidine ELISA Kit standard curve image

ARG83806 General Spermidine ELISA Kit results of a typical standard run with optical density reading at 450 nm.