

Nuclease ELISA Kit

Catalog Number LDG00021E

Package 96 T (8 x 12 strips) / Customized package

For full product information, images and publications, please visit [our website](#).



Overview

Description

Nuclease is a genetically engineered endonuclease from *Serratia marcescens*, it is produced and purified from *E. coli*. The enzyme is a non-specific nuclease, which effectively degrades single-stranded, double-stranded, linear, and circular DNA and RNA over a wide temperature and pH range.

Components

Nuclease ELISA plate	96 wells (12 x 8-well strips)
Standard	1 vial (Lyophilized form)
Standard reconstitution buffer	1 vial (1.5 mL)
HRP-antibody conjugate	1 vial (70 µL)
HRP-antibody conjugated diluent buffer	1 vial (12 mL)
20 X wash buffer	1 vial (15 mL)
TMB	1 vial (12 mL)
Stop solution	1 vial (6 mL)
Microplate sealing film	1 sheet

Specifications

Tainan Headquarter

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+886-2-27065528

Reactivity

Serratia marcescens

Sensitivity

Limit of detection (LoD): 0.062 ng/mL.

Limit of quantification (LoQ): 0.163 ng/mL.

Application

Sandwich ELISA analysis

Specificity

Nuclease

Instruction

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at 2-8°C for long term storage.

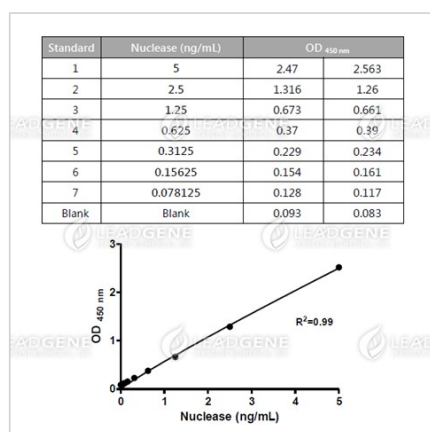
Stability & Storage

This product is stable after storage at:

- 2-8°C for unopened product.

Please refer to product manual for storage constructions.

Image



Typical data

The following data are for demonstration only

	1	2	3	4
A	Standard 1 (5 ng/mL)	Standard 1 (5 ng/mL)	Sample 1	Sample 5
B	Standard 2 (2.5 ng/mL)	Standard 2 (2.5 ng/mL)	Sample 1	Sample 5
C	Standard 3 (1.25 ng/mL)	Standard 3 (1.25 ng/mL)	Sample 2	Sample 6
D	Standard 4 (0.625 ng/mL)	Standard 4 (0.625 ng/mL)	Sample 2	Sample 6
E	Standard 5 (0.3125 ng/mL)	Standard 5 (0.3125 ng/mL)	Sample 3	Sample 7
F	Standard 6 (0.15625 ng/mL)	Standard 6 (0.15625 ng/mL)	Sample 3	Sample 7
G	Standard 7 (0.078125 ng/mL)	Standard 7 (0.078125 ng/mL)	Sample 4	Sample 8
H	Blank	Blank	Sample 4	Sample 8

An example of orientation of

standards, blanks and samples in the stripwells microplate

Reagents (Store at 2-8°C)	Quantity 1x96 well kit	Reconstitution
Nuclease ELISA plate Stripwell microplate with 96 anti-nuclease monoclonal antibodies coated wells	96 wells (12 x 8-well strips)	Ready for use
Standard Nuclease lyophilized from buffered protein solution with preservatives	1 vial (lyophilized form)	Refer to the vial label for reconstitution volume. Reconstitute by adding Standard reconstitution buffer to be a stock solution of 50 ng/mL (see procedure, section 8.2.3)
Standard reconstitution buffer	1 vial (1.5 mL)	Ready for use
HRP-antibody conjugate HRP conjugated anti-nuclease monoclonal antibody in buffered protein solution with preservatives	1 vial (70 µL)	Dilute 200 x with HRP-antibody conjugated diluent buffer (see reagent preparation, section 5.A)
HRP-antibody conjugated diluent buffer	1 vial (12 mL)	Ready for use
20 X wash buffer 20-fold concentrated solution of buffered surfactant with preservatives	1 vial (15 mL)	Dilute 20 x with distilled water (see reagent preparation, section 5.B)
TMB Chromogenic substrate (tetramethylbenzidine) for HRP	1 vial (12 mL)	Ready for use
Stop solution H ₂ SO ₄ solution	1 vial (6 mL)	Ready for use
Microplate sealing film	1 sheet	N/A

Reagents provided and

reconstitution

Disclaimer : For Research Use or Further Manufacturing Only.

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