

Enterokinase ELISA Kit

Catalog Number	LDG00026E
Package	96 T (8 x 12 strips) / Customized package

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



Overview

Description

Enterokinase is a highly specific serine protease that cleaves fusion proteins by recognizing the -(Asp)⁴ Lys sequence. It is commonly used to release the native protein from the N-terminal fusion peptide or protein. Leadgene® Enterokinase ELISA kit is an enzyme-linked immunosorbent assay (ELISA) for the quantitative detection of Enterokinase level in sample solution. The Enterokinase ELISA kit is for research use only (RUO). Not suitable for use in diagnostic or therapeutic procedures.

Components

Enterokinase (EK) ELISA plate	96 wells (12 x 8-well strips)
Standard Enterokinase (EK)	2 vials (Lyophilized form)
Standard reconstitution buffer	1 vial (1.1 mL)
Standard & Sample diluent buffer	1 vial (12 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

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

Taipei Office

+886-2-27065528

Reactivity

Human

Sensitivity

Limit of detection (LoD): 0.007 ng/mL.

Limit of quantification (LoQ): 0.032 ng/mL.

Application

Sandwich ELISA analysis

Specificity

Enterokinase

Instruction

Shipping

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

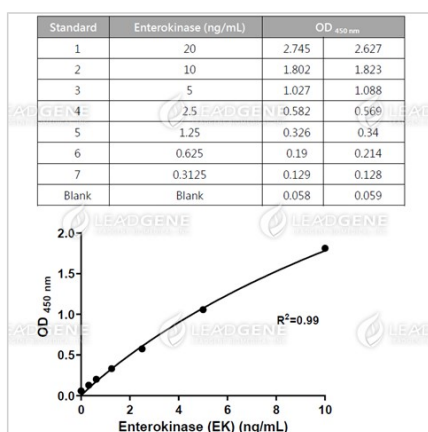
Stability & Storage

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

Reagents	Quantity	Reconstitution
Enterokinase (EK) ELISA plate	96 wells (12 x 8-well strips)	Ready for use
Standard Enterokinase (EK) lyophilized from buffered protein solution with preservatives	2 vials (lyophilized form)	Refer to the vial label for reconstitution volume. Reconstitute by adding Standard reconstitution buffer to be a stock solution of 100 ng/mL. (see procedure, section 8.2.2)
Standard reconstitution buffer	1 vial (1.1 mL)	Ready for use
Buffered protein solution with preservatives	1 vial (12 mL)	Ready for use
Standard & Sample diluent buffer	1 vial (12 mL)	Ready for use
HRP-antibody conjugate	1 vial (70 µL)	Dilute 200 x with HRP-antibody conjugated diluent buffer (see reagent preparation, section 5.A)
HRP conjugated anti-Enterokinase (EK) monoclonal antibody in buffered protein solution with preservatives	1 vial (12 mL)	Ready for use
HRP-antibody conjugated diluent buffer	1 vial (12 mL)	Ready for use
20 X wash buffer	1 vial (125 mL)	Dilute 20 x with distilled water (see reagent preparation, section 5.B)
20-fold concentrated solution of buffer/surfactant with preservatives	1 vial (12 mL)	Ready for use
TMB	1 vial (12 mL)	Ready for use
Chromogenic substrate (tetramethylbenzidine) for HRP	1 vial (6 mL)	Ready for use
Stop solution	1 sheet	N/A
H ₂ SO ₄ solution		
Microplate sealing film		

Reagents provided and reconstitution

	1	2	3	4
A	Standard 1 (20 ng/mL)	Standard 1 (20 ng/mL)	Sample 1	Sample 5
B	Standard 2 (10 ng/mL)	Standard 2 (10 ng/mL)	Sample 1	Sample 5
C	Standard 3 (5 ng/mL)	Standard 3 (5 ng/mL)	Sample 2	Sample 6
D	Standard 4 (2.5 ng/mL)	Standard 4 (2.5 ng/mL)	Sample 2	Sample 6
E	Standard 5 (1.25 ng/mL)	Standard 5 (1.25 ng/mL)	Sample 3	Sample 7
F	Standard 6 (0.625 ng/mL)	Standard 6 (0.625 ng/mL)	Sample 3	Sample 7
G	Standard 7 (0.3125 ng/mL)	Standard 7 (0.3125 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

Disclaimer : For Research Use Only. Not for use in diagnostic or therapeutic procedures.