

IL-8 ELISA Kit

Catalog Number LDG00009E

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

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



Overview

Components

Items	Quantity
IL-8 ELISA plate	96 wells (12 x 8-well strips)
IL-8 Standard	1 vial (Lyophilized form)
Standard reconstitution buffer	1 vial (1.1 mL)
HRP-antibody conjugate	1 vial (65 µL)
Assay buffer	1 vial (6 mL)
Sample & antibody diluent buffer	1 vial (25 mL)
10× wash buffer	1 vial (25 mL)
TMB	1 vial (12 mL)
Stop solution	1 vial (6 mL)
Microplate sealing film	2 sheets

Specifications

Reactivity

Human

Application

Sandwich ELISA analysis

Tainan Headquarter

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

info@leadgene.com.tw

Taipei Office

+886-2-27065528

Detection Method

Colorimetric

Specificity

Interleukin 8. There is no significant cross reactivity in the presence of 1 µg/mL of IL-4 and IL-6.

Sample Type

Serum

Sensitivity

Limit of detection (LoD): 5 pg/mL

Limit of quantification (LoQ): 10 pg/mL

Assay Range

6.25-400 pg/mL

Instruction

Shipping

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

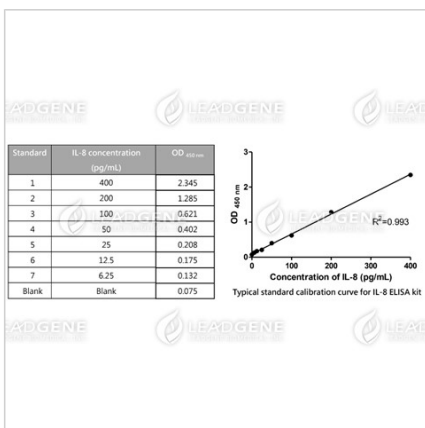
Stability & Storage

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 (Store at 2-8°C)	Quantity 1x96 well kit	Reconstitution
IL-8 ELISA plate Stripwell microplate with 96 anti-IL-8 monoclonal antibodies coated wells	96 wells (12 x 8 well strips)	Ready for use
Standard Recombinant IL-8 protein 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 make a stock solution at 2 ng/mL (see procedure, section 10.2)
Standard reconstitution buffer Buffered protein solution with preservatives	1 vial (1.1 mL)	Ready for use
HRP-antibody conjugate HRP conjugated anti-IL-8 monoclonal antibody in buffered protein solution with preservatives	1 vial (0.5 mL)	Dilute 200 x with Sample & antibody diluent buffer (see reagent preparation, section 5.A)
Assay buffer Buffered protein solution with preservatives	1 vial (6 mL)	Ready for use
Sample & antibody diluent buffer Buffered protein solution with preservatives	1 vial (25 mL)	Ready for use
10 x wash buffer 10-fold concentrated solution of buffered, sulfate buffer with preservatives	1 vial (25 mL)	Dilute 10 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	2 sheets	N/A

Reagents provided and reconstitution

	1	2	3	4
A	Standard 1 (400 pg/mL)	Standard 1 (400 pg/mL)	Sample 1	Sample 5
B	Standard 2 (200 pg/mL)	Standard 2 (200 pg/mL)	Sample 1	Sample 5
C	Standard 3 (100 pg/mL)	Standard 3 (100 pg/mL)	Sample 2	Sample 6
D	Standard 4 (50 pg/mL)	Standard 4 (50 pg/mL)	Sample 2	Sample 6
E	Standard 5 (25 pg/mL)	Standard 5 (25 pg/mL)	Sample 3	Sample 7
F	Standard 6 (12.5 pg/mL)	Standard 6 (12.5 pg/mL)	Sample 3	Sample 7
G	Standard 7 (6.25 pg/mL)	Standard 7 (6.25 pg/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 or Further Manufacturing Only.

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