

## Endoglycosidase H (Endo H) ELISA Kit

<b>Catalog Number</b>	LDG00030E
<b>Package</b>	96 T (8 x 12 strips) / Customized package

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



### Overview

#### Description

Endoglycosidase H is a glycosidase that cleaves asparagine-linked oligomannose and hybrid, but not glycan complex, from N-linked glycoproteins. It hydrolyses the bond connecting the two N-acetylglucosamine residues comprising the chitobiose core, leaving an N-acetylglucosamine residue on the asparagine.

Leadgene® Endoglycosidase H (Endo H) ELISA kit is an enzyme-linked immunosorbent assay (ELISA) for the quantitative detection of Endo H level in sample solution. The Endoglycosidase H ELISA kit is for research use only (RUO). Not suitable for use in diagnostic or therapeutic procedures.

#### Test Principle

Endoglycosidase H ELISA kit is used to detect Endo H in samples by sandwich ELISA method. This assay uses microplate pre-coated with mouse anti-Endo H monoclonal antibody to the solid phase. Endo H in the samples conjugates on solid phase and then react with the HRP conjugated mouse anti-Endo H monoclonal antibody. Subsequent wash steps will residual unbound antibody. After incubation with substrate solution, the reaction is determined by the absorbance at 450 nm. Quantification of nuclease level is accomplished by comparing the absorbance with standard curve.

### Specifications

#### Application

Sandwich ELISA analysis

#### Specificity

Endoglycosidase H (Endo H)

#### Sensitivity

Limit of detection (LoD): 0.142 ng/mL

Limit of quantification (LoQ): 0.36 ng/mL

#### Assay Range

0.15625 ng/mL-10 ng/mL

### Instruction

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## Shipping

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

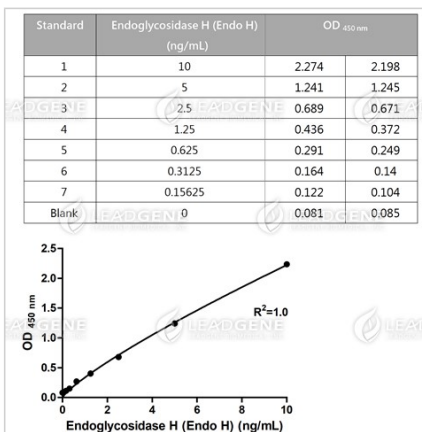
## Stability & Storage

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
Endoglycosidase H (Endo H) ELISA plate Stripwell microplate with 96 anti-Endo H monoclonal antibodies coated wells	96 wells (12 x 8-well strips)	Ready for use
Standard Endo H 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 50 ng/mL. (see procedure, section 8.(2))
Standard reconstitution buffer Buffered protein solution with preservatives	2 vials (1.1 mL)	Ready for use
Standard & Sample diluent buffer Buffered protein solution with preservatives	1 vial (12 mL)	Ready for use
HRP-antibody conjugate HRP conjugated anti-Endo H 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 Buffered solution with preservatives	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 (3,3',4,4'-tetramethylbenzidine) for HRP	1 vial (12 mL)	Ready for use
Stop solution H <sub>2</sub> SO <sub>4</sub> solution	1 vial (6 mL)	Ready for use
Microplate sealing film	2 sheet	N/A

Reagents provided and reconstitution

	1	2	3	4
A	Standard 1 (10 ng/mL)	Standard 1 (10 ng/mL)	Sample 1	Sample 5
B	Standard 2 (5 ng/mL)	Standard 2 (5 ng/mL)	Sample 1	Sample 5
C	Standard 3 (2.5 ng/mL)	Standard 3 (2.5 ng/mL)	Sample 2	Sample 6
D	Standard 4 (1.25 ng/mL)	Standard 4 (1.25 ng/mL)	Sample 2	Sample 6
E	Standard 5 (0.625 ng/mL)	Standard 5 (0.625 ng/mL)	Sample 3	Sample 7
F	Standard 6 (0.3125 ng/mL)	Standard 6 (0.3125 ng/mL)	Sample 3	Sample 7
G	Standard 7 (0.15625 ng/mL)	Standard 7 (0.15625 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.