

Endoglycosidase H (Endo H) ELISA Kit

Catalog Number	LDG00030E
Package	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 Endo H level is accomplished by comparing the absorbance with standard curve.

Specifications

Application

Sandwich ELISA analysis

Sensitivity

Limit of detection (LoD): 0.142 ng/mL

Limit of quantification (LoQ): 0.36 ng/mL

Specificity

Endoglycosidase H (Endo H)

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.

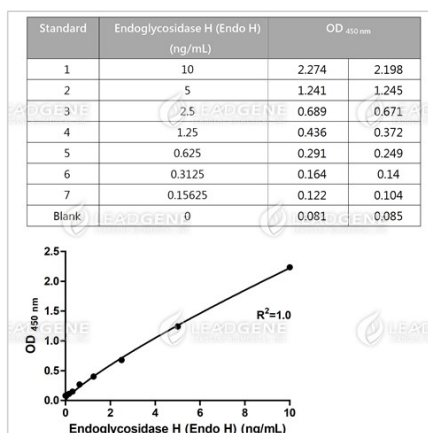
Stability & Storage

This product is stable after storage at:

- 2-8°C for unopened product.

Please refer to product manual for storage constructions.

Image



Reagents (Store at 2-8°C)	Quantity 1x96 well kit	Reconstitution
Endoglycosidase H (Endo H) ELISA plate	96 wells (12 x 8-well strips)	Ready for use
Stripwell microplate with 96 anti-Endo H monoclonal antibodies coated wells		
Standard	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 8.2.2)
Endo H lyophilized from buffered protein solution with preservatives		
Standard reconstitution buffer	2 vials (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
Buffered protein solution with preservatives		
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-Endo H monoclonal antibody in buffered protein solution with preservatives		
HRP-antibody conjugated diluent buffer	1 vial (12 mL)	Ready for use
Buffered solution with preservatives		
20 X wash buffer	1 vial (15 mL)	Dilute 20 x with distilled water (see reagent preparation, section 5.B)
20-fold concentrated solution of buffered surfactant with preservatives		
TMB	1 vial (12 mL)	Ready for use
Chromogenic substrate (tetramethylbenzidine) for HRP		
Stop solution	1 vial (6 mL)	Ready for use
H ₂ SO ₄ solution		
Microplate sealing film	2 sheet	N/A

	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

Typical data The following data are for demonstration only

Reagents provided and reconstitution

An example of orientation of standards, blanks and samples in the stripwells microplate

Disclaimer : For Research Use or Further Manufacturing Only.