

Datasheet for ABIN4885503

COL18A1 ELISA Kit[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity:	96 tests
Target:	COL18A1
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	2.458-600 ng/mL
Minimum Detection Limit:	2.458 ng/mL
Application:	ELISA

Product Details

Purpose:	Mouse Endostatin ELISA Kit for Cell Culture Supernatants, Plasma, and Serum samples.
Sample Type:	Plasma, Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes Mouse Endostatin (COL18A1)
Sensitivity:	2.5 ng/mL
Characteristics:	<ul style="list-style-type: none">• Strip plates and additional reagents allow for use in multiple experiments• Quantitative protein detection• Establishes normal range• The best products for confirmation of antibody array data
Components:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate

Product Details

- Wash Buffer
- Stop Solution
- Assay Diluent(s)
- Lyophilized Standard
- Biotinylated Detection Antibody
- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

Material not included:

- Distilled or deionized water
- Precision pipettes to deliver 2 µL to 1 µL volumes
- Adjustable 1-25 µL pipettes for reagent preparation
- 100 µL and 1 liter graduated cylinders
- Tubes to prepare standard and sample dilutions
- Absorbent paper
- Microplate reader capable of measuring absorbance at 450nm
- Log-log graph paper or computer and software for ELISA data analysis

Target Details

Target: COL18A1

Alternative Name: Endostatin ([COL18A1 Products](#))

Target Type: Chemical

Application Details

Application Notes: Recommended Dilution for serum and plasma samples 2 fold

Sample Volume: 100 µL

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards as instructed in the manual.
2. Add 100 µL of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4 °C.
4. Add 100 µL of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 µL of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 µL of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 µL of Stop Solution to each well.
11. Read at 450 nm immediately.

Application Details

Restrictions: For Research Use only

Handling

Storage: -20 °C

Storage Comment: The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.

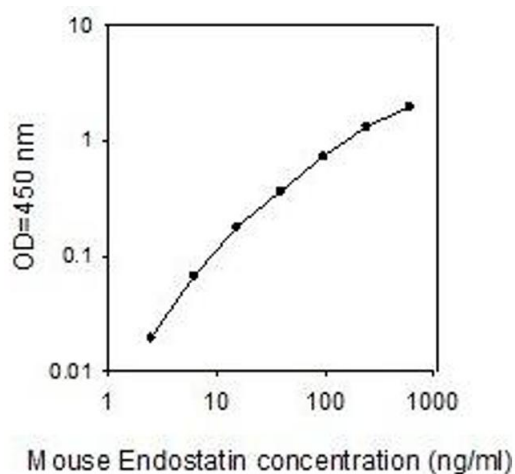
Expiry Date: 6 months

Publications

Product cited in: Pan, Luo, Zhou, Han, Zeng: "Potent antitumor activity of the combination of HSV-TK and endostatin by adeno-associated virus vector for bladder cancer in vivo." in: **Clinical laboratory**, Vol. 59, Issue 9-10, pp. 1147-58, (2013) ([PubMed](#)).

Pan, Zhou, Zeng, Han: "Suppression of bladder cancer growth in mice by adeno-associated virus vector-mediated endostatin expression." in: **Tumour biology**, Vol. 32, Issue 2, pp. 301-10, (2011) ([PubMed](#)).

Images



ELISA

Image 1.