

Endostatin Human Endostatin ELISA Kit

Catalog No. CKH334

Quantity 1 x 96 tests

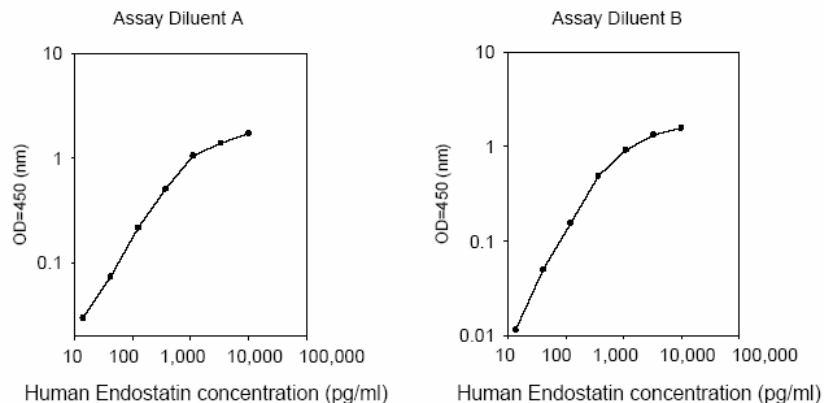
Description This assay employs an antibody specific for human Endostatin coated on a 96-well plate. Standards and samples are pipetted into the wells and Endostatin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-human Endostatin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Endostatin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Application The Cell Sciences Human Endostatin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of human Endostatin in serum, plasma, cell culture supernatants and urine.

Reagents included

1. Endostatin Microplate (Item A): 96 wells (12 strips x 8 wells) coated with anti-human Endostatin.
2. Wash Buffer Concentrate (20x) (Item B): 25 ml of 20x concentrated solution
3. Standards (Item C): 2 vials, recombinant human Endostatin.
4. Assay Diluent A (Item D): 30 ml of animal serum with 0.09% sodium azide as preservative. For Standard/Sample (serum/plasma) diluent
5. Assay Diluent B (Item E): 15 ml of 5x concentrated buffer. For Standard/Sample (cell culture medium/urine) diluent.
6. Detection Antibody Endostatin (Item F): 2 vials of biotinylated anti-human Endostatin (each vial is enough to assay half microplate).
7. HRP-Streptavidin Concentrate (Item G): 8 µl of 20,000x concentrated HRP-conjugated streptavidin.
8. TMB One-Step Substrate Reagent (Item H): 12 ml of 3,3',5,5'-tetramethylbenzidine (TMB) in buffered solution.
9. Stop Solution (Item I): 8 ml of 2 M sulfuric acid.

Typical Data



Sensitivity The minimum detectable dose of Endostatin is typically less than 10 pg/ml.

Recovery Determined by spiking various levels of human endostatin into human serum, plasma, and cell culture media. Mean recoveries are as follows:

Sample Type	Average % Recovery	Range (%)
Serum	88.47	78-102
Plasma	92.31	80-104
Cell culture media	95.32	84-108

Linearity

Sample Type		Serum	Plasma	Cell culture media
1:2	Avg. % of Expected	103	105	102
	Range (%)	94-115	95-117	93-116
1:4	Avg. % of Expected	98	110	105
	Range (%)	90-112	96-120	94-116

Reproducibility Intra-Assay: CV < 10%
Inter-Assay: CV < 12%

Storage and Stability

- Product can be stored for up to 6 months from date of receipt at 2-4°C.
- Standard (recombinant protein) should be stored at -20°C or -80°C after reconstitution.
- Opened Microplate Wells and reagents can be stored for up to one month at 2-4°C.

NOT FOR HUMAN USE. FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

