



YKL-40

For **Research Use Only**. Not for use in diagnostic procedures.

The MicroVue YKL-40 EIA measures a 40 KDA heparin binding glycoprotein, YKL-40, also known as human cartilage glycoprotein 39 (HC gp-39) in serum. Though the role of YKL-40 is unknown at present, its pattern of expression and observed associations with various disease activities suggest it plays a role in tissue remodeling and cancer (colorectal, breast) research.

Format

- ELISA
- 96-well microplate with reagents sufficient to test 40 samples in duplicate
- Sample type: Serum, EDTA plasma included
- Controls: High, low

Species Reactivity

- Baboon, Rhesus and Cynomolgus Macaque, Human
- No recognition in Rat, Mouse, Guinea Pig, Rabbit, Squirrel Monkey, Pig, Dog, Cow, Horse

Specimen

- Serum collected without anti-coagulants and processed to avoid hemolysis
- EDTA plasma collected and processed to avoid hemolysis

Assay Steps

- Add 20 μ L Standards, Controls and Samples
- Add 100 μ L Capture Solution
- Incubate 60 ± 5 minutes at 18°C to 28°C
- Wash 4 times with 1X Wash Buffer
- Add 100 μ L Enzyme Conjugate
- Incubate 60 ± 5 minutes at 18°C to 28°C
- Wash 4 times with 1X Wash Buffer
- Add 100 μ L Working Substrate Solution
- Incubate 60 ± 5 minutes at 18°C to 28°C
- Add 100 μ L Stop Solution
- Measure absorbance at 405 nm

Assay Performance

Method: ELISA

Analyte: YKL-40 also known as HC gp-39

Specimen: Serum, EDTA plasma

Specimen Volume: 20 μ L

Limit of Detection: 5.4 ng/mL

Assay Range: 15.6-300 ng/mL

Precision CVs (inter-assay):
6.0%-7.0%

Precision CVs (intra-assay):
5.6%-6.6%

Assay Time: Approx. 3 Hours

MicroVue YKL-40 EIA – Cat. #8020

Also available:

YKL-40 Controls (set of 4) – Cat. #4821

Mouse Anti-YKL-40 Antibody – Cat. #4813

Rabbit Anti-YKL-40 Antibody – Cat. #4815

